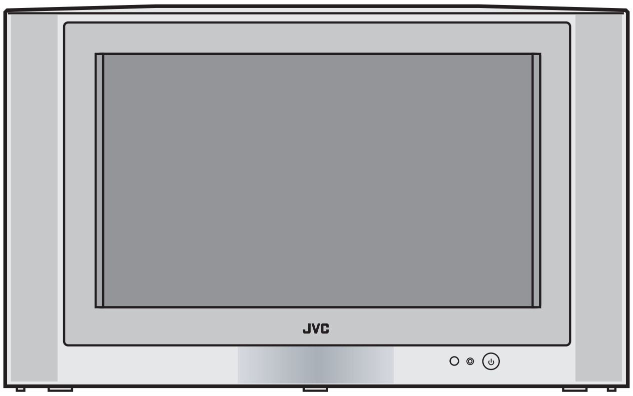
JVC

SERVICE MANUAL

COLOUR TELEVISION

HV-32D25EUW
HV-32D25EJW

BASIC CHASSIS
MK



D.I.S.T. 1250i
InteríArt
Natural Vision
T-V LINK

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No.52068
2002/12

SPECIFICATION

Item		Content	
		HV-32D25EUW	**HV-32D25EJW**
Dimensions (W x H x D)		94.6cm x 56.2cm x 55.1cm	
Mass		58.0kg	
TV RF System		CCIR B/G, I, D/K, L/L’	
Colour System		PAL / SECAM / NTSC *The EXT terminals also support the NTSC 3.58MHz/4.43MHz system.	
Stereo System		A2 (B/G, D/K) / NICAM (B/G, I, D/K, L)	
Teletext System		FLOF(Fastext), TOP, WST(World Standard system)	
Receiving Frequency	VHF	47MHz ~ 470MHz	47MHz ~ 470MHz (IRELAND only) 470MHz ~ 862MHz
	UHF	470MHz ~ 862MHz	-
	CATV	116MHz ~ 172MHz / 220MHz ~ 469MHz	-
Intermediate Frequency	VIF	38.9MHz(B/G, D/K, I) / 33.95MHz(L’)	
	SIF	33.4MHz(5.5MHz:B/G) / 32.9MHz(6.0MHz:I) / 32.4MHz(6.5MHz:L,D/K) / 40.45MHz(6.5MHz:L’)	
Colour Sub Carrier Frequency	PAL	4.43MHz	
	SECAM	4.40625MHz / 4.25MHz	
	NTSC	3.58MHz / 4.43MHz	
Power Input		AC 220V~AC240V, 50Hz	
Power Consumption		Max 300W / Avg. 160W	
Aerial Input		75 ohm unbalanced, coaxial	
Picture Tube		Visible size 76 cm(measured diagonally) Aspect ratio 16:9	
High Voltage		31.0kV ± 0.2kV (At beam current : 0uA)	
Speaker	MAIN	10W + 10W, 13 cm x 6.5 cm oval x2	
	CENTER	7.5W, 16 cm x 4 cm oval x 1	
	WOOFER	18W, 13 cm round x 1	
EXT-1 (Input/Output)		21 pin Euro connector (SCART socket) • Video input, Audio L/R inputs and RGB inputs are available. • TV broadcast outputs (Video and Audio L/R) are available.	
EXT-2 (Input/Output)		21 pin Euro connector (SCART socket) • Video input, S-Video (Y/C) input, Audio L/R inputs and RGB inputs are available. • Video and Audio L/R outputs are available. • T-V LINK functions are available.	
EXT-3 (Input/Output)		21 pin Euro connector (SCART socket) • Video input, S-Video (Y/C) input and Audio L/R inputs are available.	
EXT-4 (Input)	Component video	RCA pin jack x 3 Y : 1V(p-p), 75 ohm Pb / B-Y: 0.7V(p-p), 75 ohm Pr / R-Y : 0.7V(p-p), 75 ohm Progressive-scanning signals(626p or 525p) are available	
	Audio (L/R)	500mv(rms) (-4dBs), High Impedance RCA pin jack x 2	
EXT-5 (Input)	Video	1V(p-p), 75 ohm RCA pin jack x 1	
	Audio (L/R)	500mv(rms) (-4dBs), High Impedance RCA pin jack x 2	
	S-Video	Mini DIN 4-pin Y : 1V(p-p) Positive (Negative sync provided), 75 ohm C : 0.286V(p-p) (burst signal), 75 ohm	
DIGITAL AUDIO INPUT		OPTICAL x 1 COAXIAL x 1 (Dolby Digital is available.)	
AUDIO OUT (Variable)		0~1V(rms), Low Impedance RCA pin jack x 3	
SURROUND REAR OUT		7.5W + 7.5W, 8 ohm (push terminal)	
Headphone jack		Stereo mini jack (Ø3.5mm)	
Remote Control Unit		RM-C61 (AAA/R03 Dry cell battery x 2) : HV-32D25EUW RM-C62 (AAA/R03 Dry cell battery x 2) : HV-32D25EJW	

Design & specifications are subject to change without notice.

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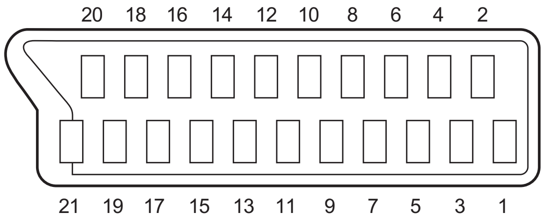
21-pin Euro connector (SCART) : EXT-1/EXT-2/EXT-3

PinNo.	Signal Designation	Matching Value	EXT-1	EXT-2	EXT-3
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	NC
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used	Used	Used
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)	Not used
4	AUDIO GND		Used	Used	Used
5	GND (B)		Used	Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used	Used	Used
7	B input	$700mV_{(B-W)}$, 75 ohm	Used	Used	Not used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V, High : 8V-12V, High impedance	Used	Used	Used
9	GND (G)		Used	Used	Used
10	SCL		Not used	Used (SCL2)	Used (SCL3)
11	G input	$700mV_{(B-W)}$, 75 ohm	Used	Used	Not used
12	SDA		Not used	Used(SDA2)	Used(SDA3)
13	GND (R)		Used	Used	Used
14	GND (YS)		Used	Not used	Not used
15	R / C input	R : $700mV_{(B-W)}$, 75 ohm C : $300mV_{(P-P)}$, 75 ohm	Used (R)	Used (C2/R)	Used (C3)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75 ohm	Used	Used	Not used
17	GND (VIDEO output)		Used	Used	Used
18	GND (VIDEO input)		Used	Used	Used
19	VIDEO output	$1V_{(P-P)}$ (Negative going sync), 75 ohm	Used (TV OUT)	Used (LINE OUT)	Not used
20	VIDEO / Y input	$1V_{(P-P)}$ (Negative going sync), 75 ohm	Used	Used	Used
21	COMMON GND		Used	Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



SECTION 1
SAFETY PRECAUTIONS

1.1 HV-32D25EUW

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚⃝) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.).
If above note will not be kept, a fuse or any parts will be broken.

(5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).

(6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

(8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced.
Always use the manufacturer's replacement components.

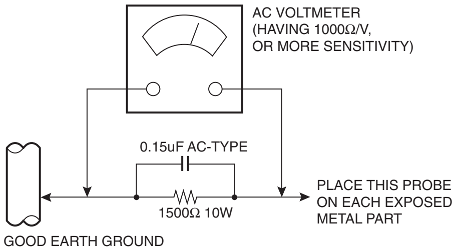
(9) **Isolation Check**
(Safety for Electrical Shock Hazard)
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/ audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500 ohm 10W resistor paralleled by a 0.15µF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 HV-32D25EJW [UK VERSION]

(1) The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
(2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
(3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.
(4) The leads in the products are routed and dressed with ties, clamps, tubing’s, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

WARNING

(1) The equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

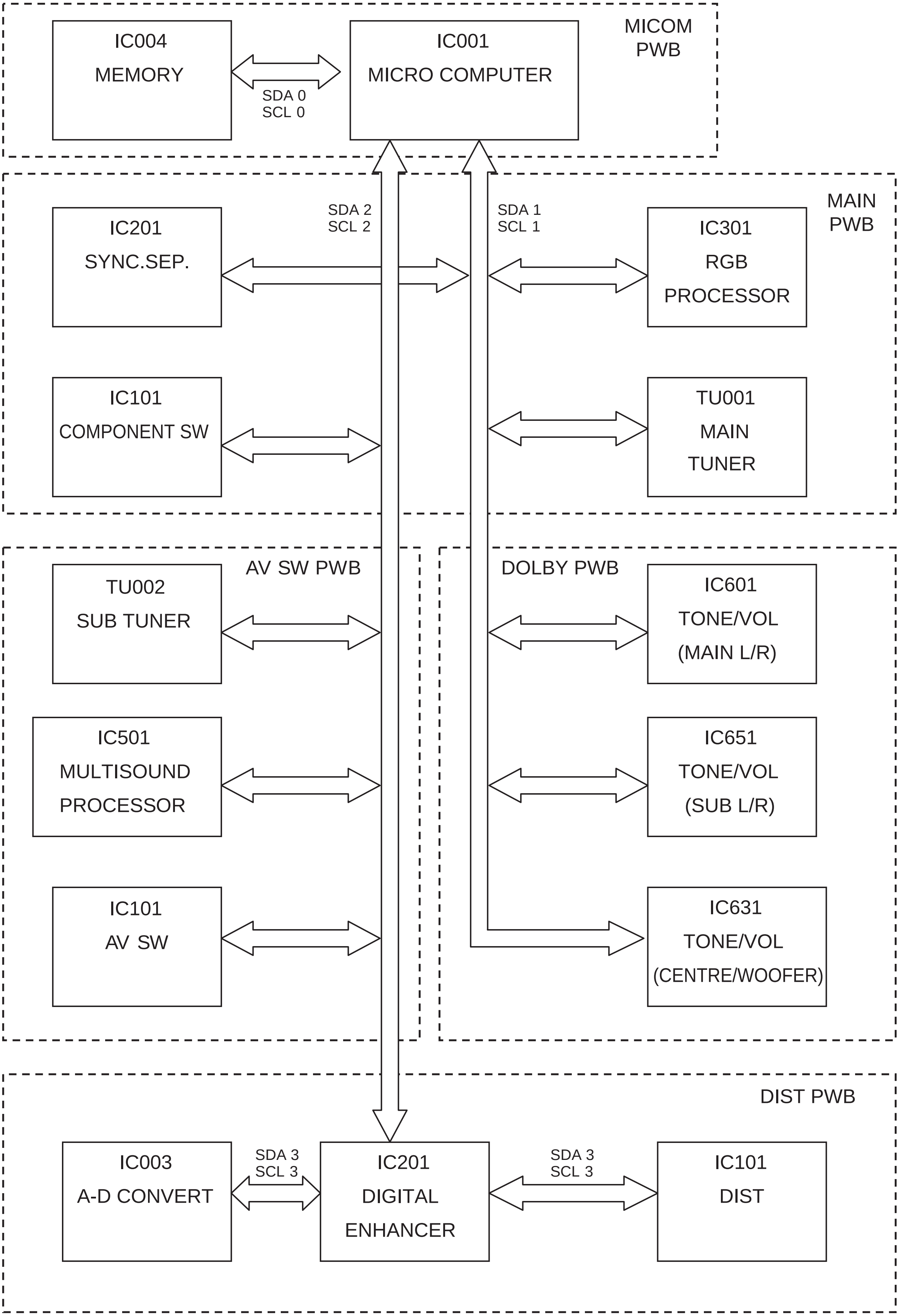
2.1 MAIN DIFFERENCE LIST

⚠	ITEM	HV-32D25EUW	HV-32D25EJW
⚠	POWER CORD	QMPK160-185-JC	QMPN130-185-JC
	REMOTE CONTROL UNIT	RM-C61-1C	RM-C62-1C
⚠	INST BOOK	LCT1272-001A-U LCT1273-001A-U LCT1274-001A-U	LCT1271-001A-U
⚠	RATING LABEL	LC11548-003A-U	LC11364-018A-U
	EURO LABEL	AEM1064-034-E	AEM1064-035-E

2.1.1 FEATURES

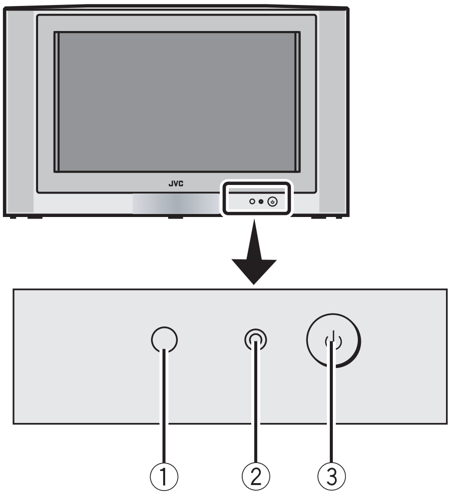
- DIST (Digital Image Scaling Technology) employs an interpolation method that doubles the scanning lines to realize 1250-line flicker-free picture making it especially suitable for reproducing high-resolution pictures even on large-screen displays.
- New chassis design enables use of an interactive on-screen control.
- Pure flat CRT produces fine textured picture in every detail.
- With AUDIO/VIDEO/COMPONENT input terminals.
- I^2C bus control utilizes single chip ICs.
- By means of AUTO PROGRAM, the TV stations can be selected automatically and the TV channels can also be rearranged automatically.

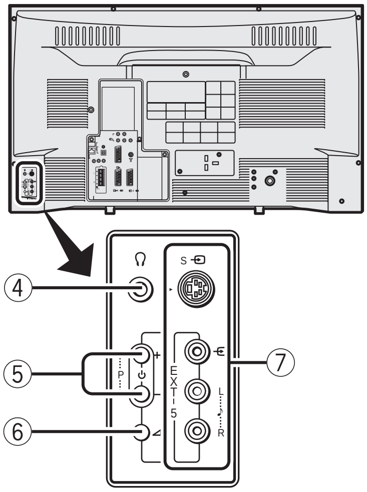
2.2 SYSTEM BLOCK


MICOM PWB
IC004 MEMORY
SDA 0
SCL 0
IC001 MICRO COMPUTER
MAIN PWB
SDA 2
SCL 2
SDA 1
SCL 1
IC201 SYNC.SEP.
IC301 RGB PROCESSOR
IC101 COMPONENT SW
TU001 MAIN TUNER
AV SW PWB
TU002 SUB TUNER
IC501 MULTISOUND PROCESSOR
IC101 AV SW
DOLBY PWB
IC601 TONE/VOL (MAIN L/R)
IC651 TONE/VOL (SUB L/R)
IC631 TONE/VOL (CENTRE/WOOFER)
DIST PWB
IC003 A-D CONVERT
SDA 3
SCL 3
IC201 DIGITAL ENHANCER
SDA 3
SCL 3
IC101 DIST

2.3 FUNCTIONS

2.3.1 FRONT CONTROL & REAR (SIDE) TERMINAL

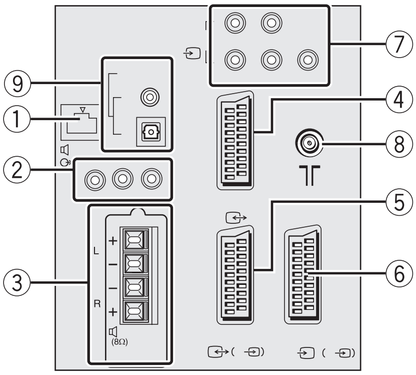




Refer to the pages in brackets for details.

① Remote control sensor
② Power lamp (GREEN : Operation, RED : Stand-by)
③ Main power button
④ Headphone jack (mini jack)
⑤ Channel up/down & Volume +/- buttons
⑥ Volume button
⑦ EXT-5 terminal

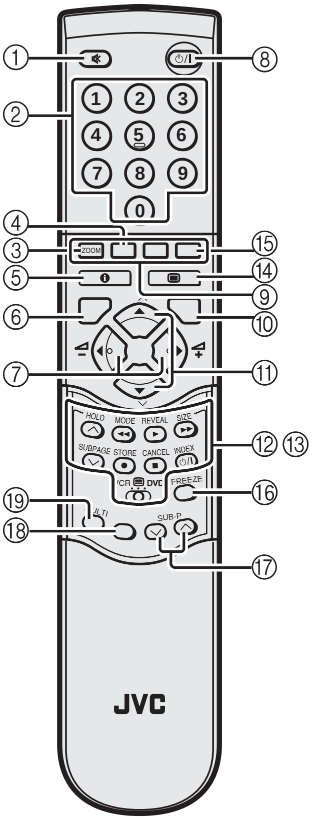
2.3.2 REAR TERMINAL



① Woofer terminal
② AUDIO OUT terminal
③ SURROUND REAR terminal
④ EXT-1 terminal
⑤ EXT-2 terminal
⑥ EXT-3 terminal
⑦ EXT-4 terminal
⑧ Aerial socket
⑨ DIGITAL AUDIO IN terminal

2.3.3 REMOTE CONTROL UNIT

RM-C62 : HV-32D25EJW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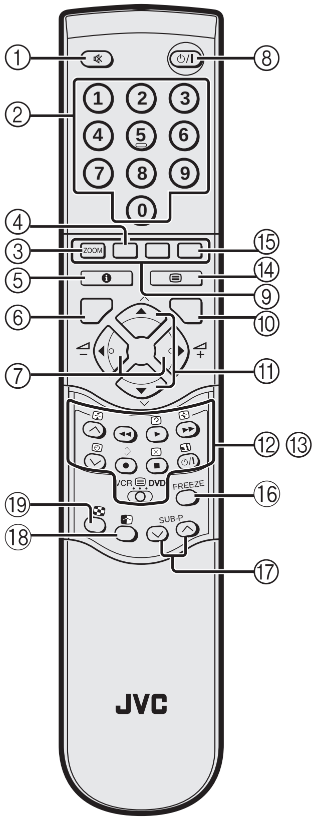
⑩
⑦
⑪
HOLD
MODE
REVEAL
SIZE
SUBPAGE
STORE
CANCEL
INDEX
⑫ ⑬
VCR
DVD
FREEZE
⑯
⑲
MULTI
⑱
SUB-P
⑰
JVC

RM-C61 : HV-32D25EUW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⑩
⑦
⑪
⑫ ⑬
VCR
DVD
FREEZE
⑯
⑲
⑱
SUB-P
⑰
JVC

① Muting button
② Number buttons
③ **ZOOM** button
④ **3D** sound button
⑤ Information button
⑥ **TV** button
⑦ ◀/▶ buttons
⑧ Standby button
⑨ Colour buttons
⑩ **OK** button
⑪ ▲/▼ buttons
⑫ VCR/DVD/Teletext control button
⑬ VCR ▤ DVD switch
⑭ ▤ (Text) button
⑮ **PIP** button
⑯ **FREEZE** button
⑰ **SUB-P** ∨/∧ button
⑱ **SWAP** button
⑲ **MULTI** button

① Muting button
② Number buttons
③ **ZOOM** button
④ **3D** sound button
⑤ Information button
⑥ **TV** button
⑦ ◀/▶ buttons
⑧ Standby button
⑨ Colour buttons
⑩ **OK** button
⑪ ▲/▼ buttons
⑫ VCR/DVD/Teletext control button
⑬ VCR ▤ DVD switch
⑭ ▤ (Text) button
⑮ **PIP** button
⑯ **FREEZE** button
⑰ **SUB-P** ∨/∧ button
⑱ ◪ button
⑲ ▦ button

2.4 DISASSEMBLY PROCEDURE

2.4.1 REMOVING THE SUB WOOFER UNIT & THE REAR COVER

(1) Unplug the power cord.
(2) Remove the SUB WOOFER CORD from the TERMINAL AV TERMINAL BOARD.
(3) Pull up the SUB WOOFER UNIT on the top of the REAR COVER upward.
(4) Remove the 13 screws [A] as shown in the Fig. 1
(5) Withdraw the REAR COVER toward you.

2.4.2 REMOVING THE SIDE CONTROL JACK ASSEMBLY

*Remove the REAR COVER.
(1) Remove the 1 screw [B] as shown in the Fig.1.
(2) While slightly raise the SIDE CONTROL JACK ASSEMBLY, remove the 2 claws under the SIDE CONTROL JACK ASSEMBLY.
(3) Disconnect the connector F and CN8016 as shown in Fig. 2.

2.4.3 REMOVING THE SIDE CONTROL PWB

* Remove the REAR COVER.
* Remove the SIDE CONTROL ASSEMBLY.
(1) Remove the 3 claws [C] from back side of the SIDE CONTROL JACK ASSEMBLY as shown in Fig. 2.
(2) Pull out the SIDE CONTROL PWB.

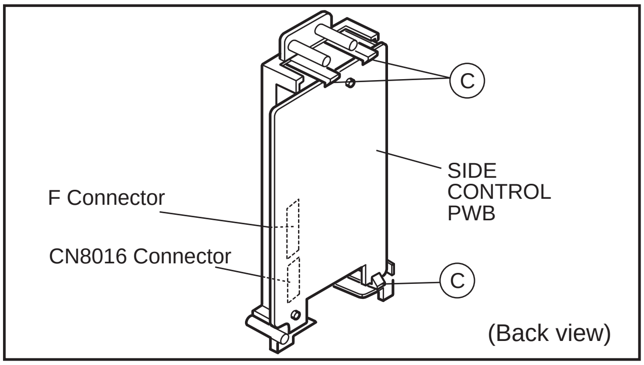


Fig.2

2.4.4 REMOVING THE MAIN CHASSIS

* Remove the REAR COVER.
(1) Slightly raise the both sides of the MAIN CHASSIS by hand and remove the two claws under the both sides of the MAIN CHASSIS from the front cabinet
(2) Withdraw the MAIN CHASSIS backward.
(If necessary, take off the wire clamp, connectors etc.)

2.4.5 REMOVING THE POWER & DEF. PWB

* Remove the MAIN CHASSIS.
(1) Remove the 3 screws [D] as shown in Fig. 1.
(2) Remove the POWER & DEF. PWB upper.
(If necessary, take off the wire clamp, connectors etc.)

2.4.6 REMOVING THE CENTER SPEAKER

* Remove the REAR COVER
* Remove the MAIN CHASSIS.
(1) Remove the 2 screws [E] as shown in Fig. 1.
(2) Remove the CENTER SPEAKER. If necessary, detach the cables.

2.4.7 REMOVING THE SIDE SPEAKER

*Remove the REAR COVER
(1) Remove the 2 screws [F], and remove the speaker adapter as shown in Fig. 1

NOTE:
When removing the 2 screws marked [F] of the speaker adapter remove the lower side screw first, and then remove the upper one

(2) Remove the 4 screws [G] attaching the SIDE SPEAKER.
(3) Follow the same steps when removing the other hand speaker.

2.4.8 REMOVING THE AV TERMINAL BOARD

* Remove the REAR COVER.
(1) Remove the 8 screws [H] as shown in the Fig. 1.
(2) Remove the 3 claws [I] under the CHASSIS as shown in Fig. 3
(3) Remove the AV TERMINAL BOARD slightly in the direction of arrow [J] as shown in Fig. 3.
(4) After removing the 1 clow [K] on the connector for SUB WOOFERS pull out the connector for SUB WOOFER. (Fig. 4)

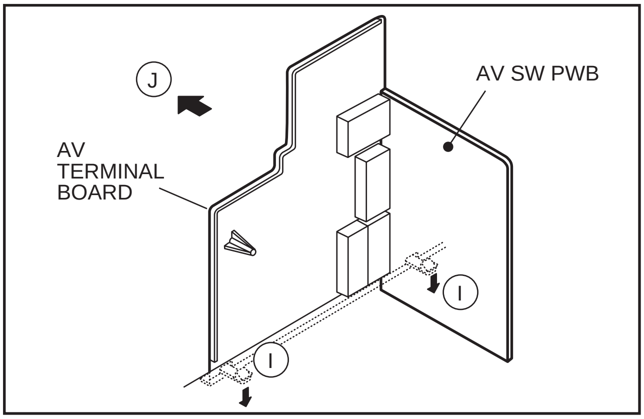


Fig.3

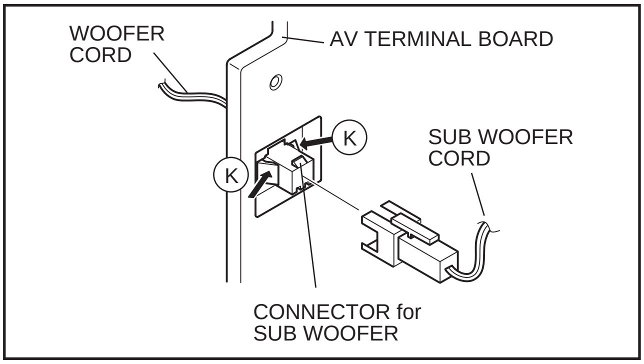


Fig.4

2.4.9 CHECKING THE PW BOARD

(1) Pull out the MAIN CHASSIS. (Refer to REMOVING THE MAIN CHASSIS)
(2) Erect the MAIN CHASSIS vertically so that you can easily check the back side of the PW board.

CAUTION:

- When erecting the MAIN CHASSIS, be careful so that there will be no contacting with other PW board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS.Y) is connected to the CRT SOCKET PW board.

2.4.10 WIRE CLAMPING AND CABLE TYING

(1) Be sure to clamp the wire.
(2) Never remove the cable tie used for tying the wires together. Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

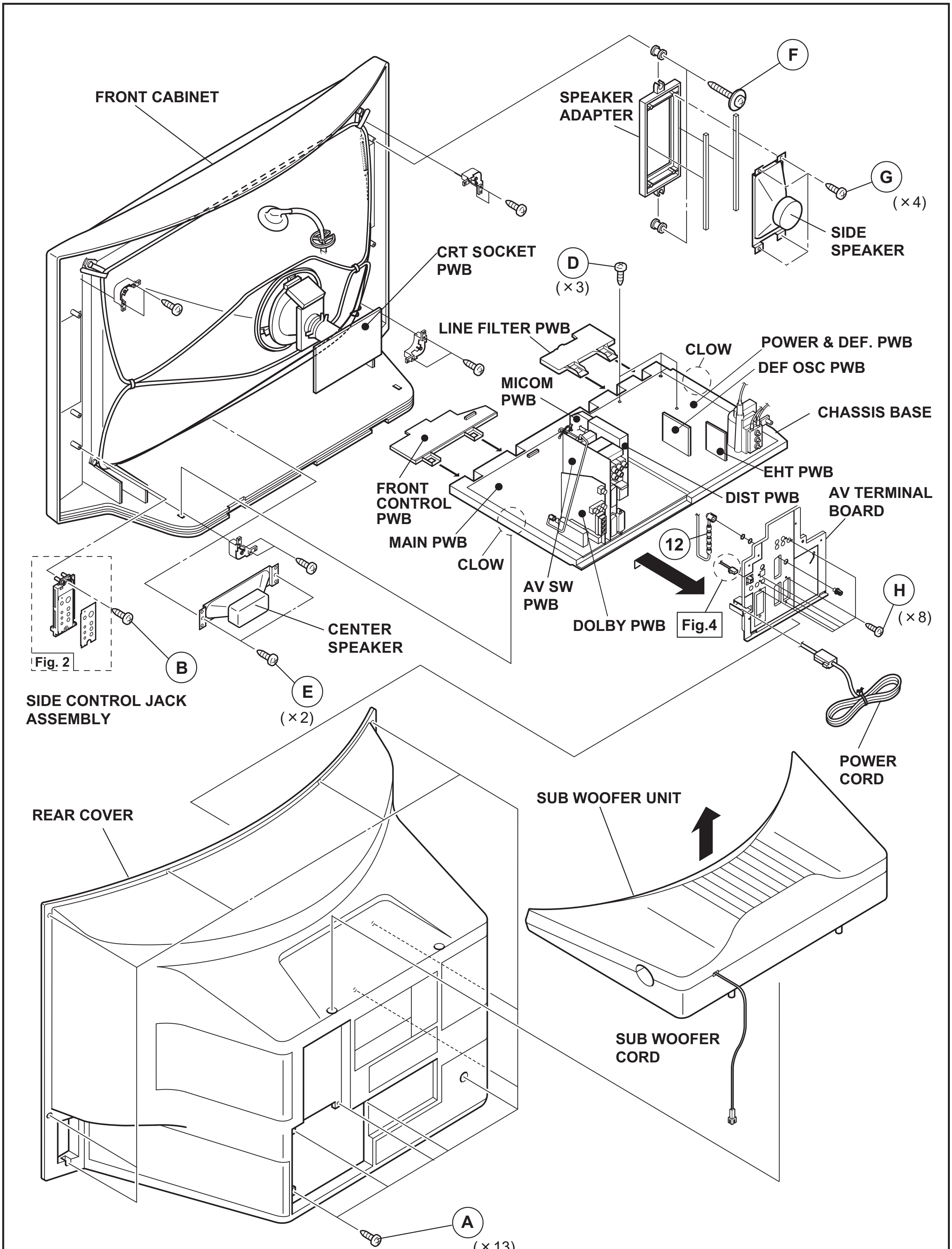

FRONT CABINET
SPEAKER ADAPTER
F
G
(×4)
SIDE SPEAKER
CRT SOCKET PWB
D
(×3)
LINE FILTER PWB
CLOW
POWER & DEF. PWB
DEF OSC PWB
MICOM PWB
CHASSIS BASE
EHT PWB
FRONT CONTROL PWB
DIST PWB
AV TERMINAL BOARD
MAIN PWB
12
CLOW
AV SW PWB
H
(×8)
DOLBY PWB
Fig.4
CENTER SPEAKER
Fig. 2
B
E
(×2)
SIDE CONTROL JACK ASSEMBLY
POWER CORD
SUB WOOFER UNIT
REAR COVER
SUB WOOFER CORD
A
(×13)

Fig.1

2.4.11 REMOVING THE CRT

Note:

- Replacement of the CRT should be performed by 2 or more persons.
- After removing the REAR COVER, CHASSIS etc.,

(1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 5).

(2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 6.

(3) Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 6.

Note:

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

(4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig. 7.

Note:

- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

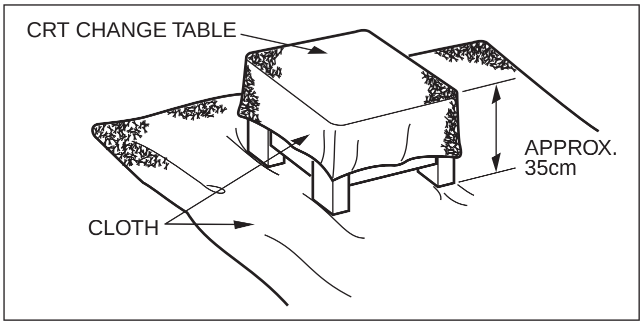

CRT CHANGE TABLE
APPROX. 35cm
CLOTH

Fig.5

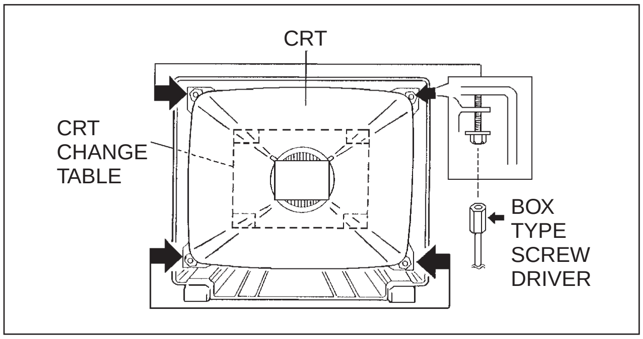

CRT
CRT CHANGE TABLE
BOX TYPE SCREW DRIVER

Fig.6

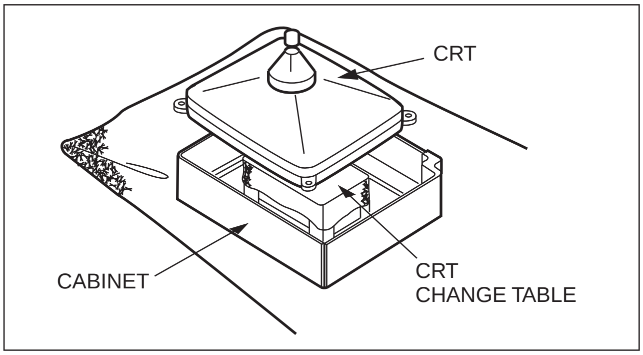
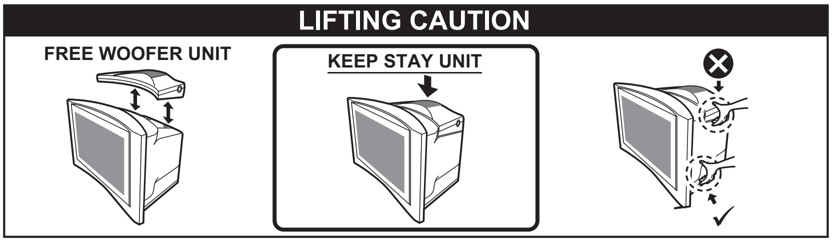

CRT
CABINET
CRT CHANGE TABLE

Fig.7

CAUTION

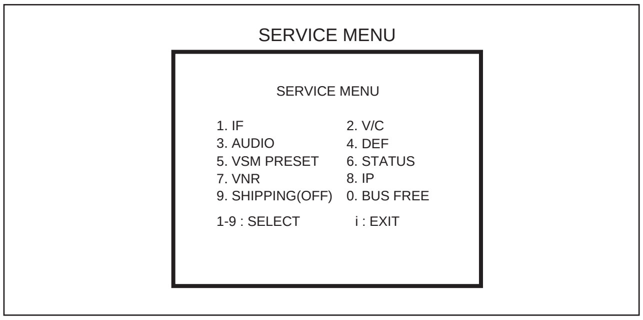
- The woofer unit is mounted on the TV. Always move the TV and woofer unit together when removing the TV from the box, or when moving the woofer unit.
- If the TV is tilted during movement the woofer unit may fall. Be careful to keep the TV level when moving it.
- Do not grip the woofer unit when moving the TV.
- Do not place objects on the woofer unit duct.


LIFTING CAUTION
FREE WOOFER UNIT
KEEP STAY UNIT

2.5 REPLACEMENT OF MEMORY ICs

2.5.1 MEMORY ICs

This TV use memory ICs. In the memory ICs, there are memorized data for correctly operating the video and deflection circuits. When replacing memory ICs, be sure to use ICs written with the initial values of data



SERVICE MENU

```
SERVICE MENU

1. IF               2. V/C
3. AUDIO            4. DEF
5. VSM PRESET       6. STATUS
7. VNR              8. IP
9. SHIPPING(OFF)    0. BUS FREE
1-9 : SELECT          i : EXIT
```

Fig.1

2.5.2 PROCEDURE FOR REPLACING MEMORY ICs

(1) Power off
Switch the power off and unplug the power cord from the wall outlet

(2) Replace ICs.
Be sure to use memory ICs written with the initial data values

(3) Power on
Plug the power cord into the wall outlet and switch the power on.

(4) Setting of receive channels
Set the receive channel.
For setting, refer to the OPERATING INSTRUCTIONS.

(5) Setting of SERVICE MENU
a) Press the INFORMATION key and the MUTE key of the REMOTE CONTROLUNIT simultaneously.
b) The SERVICE MENU screen of Fig. 1 will be displayed.
c) When a desired number is selected, the following menu will come up respectively.

Verify the setting items of the SERVICE MENU and reset where necessary. for setting, refer to the SERVICE ADJUSTMENTS.

(6) User settings
Check the user setting values of Table 1, and if setting value is different, set the correct value.
For setting, refer to the OPERATING INSTRUCTIONS.

Names of key	key
INFORMATION	ⓘ
MUTING	🔇
OK	OK
FUNCTION UP/DOWN	▲ ▼
FONCTION -/+	◀ ▶

Fig.2

2.5.3 USER SETTING VALUES (SHIPPING VALUES)

Setting item	Setting value	Setting item	Setting value
MAIN POWER SW	OFF	**PICTURE SETTING**	
SHIPPING CHANNEL	PR1	PICTURE MODE	BRIGHT
PRESET CHANNEL	See ; OPERATING INSTRUCTIONS.	COLOUR TEMP	NORMAL
ZOOM MODE	PANORAMIC	TINT	NORMAL
SUB POWER	ON		
DISPLAY	INDICATED	**INSTALL**	
SOUND LEVEL	10	LANGUAGE	ENGLISH
		EDIT	PRESET CHANNEL ONLY OTHER : NON (SPACE)
PICTURE FEATURES			
DIGITAL VNR	AUTO	**SOUND**	
DIGIPURE PRO	AUTO	BASS	CENTRE
COLOUR SYSTEM	TV : Depends on PR/CH EXT : AUTO	TREBLE	CENTRE
		BALANCE	CENTRE
PICTURE TILT	CENTRE	DIGITAL SURROUND	SURROUD OFF
N/S CANCEL	CENTRE	3D PHONIC TV SPEAKER SUB WOOFER LEVEL VOLUME	 L/C/R OFF CENTRE MAX
4: 3 AUTO ASPECT	PANORAMIC		
PIP POSITION	Right below		
		HEAD PHONE VOLUME TV SPEAKER OUTPUT	 20 OFF MAIN
FEATURES			
SLEEP TIMER	OFF		
BLUE BACK	ON	DOLBY DIGITAL TV SPEAKER REAR SPEAKER SUB WOOFER TEST TONE LEFT CENTRE RIGHT SURROUND DELAY TIME	 L/C/R ON OFF OFF MAX MAX MAX MAX 0
CHILD LOCK ID NO ALL CH	 0000 OFF		
DECODER (EXT-2)	ALL CH: OFF		
DUBBING	EXT-1---->EXT-2		
EXT SETTING ID S-IN	 NON(SPACE) NON(SPACE)		

Table 1

2.5.4 SERVICE MENU SETTING ITEMS

Setting item	Setting value	Setting item	Setting value
1.IF	1.VCO 2.ATT ON/OFF	6.STATUS	**(Do not adjust)**
2. V/C	1.CUT OF R 2.CUT OF G 3.CUT OF B 4.DRIVE R 5.DRIVE G 6.DRIVE B 7.TWN HI R 8.TWIN HI B 9.BRIGHT 10.CONT 11.TWN BRIG 12.TWN CONT 13.COLOUR 14.HUE 15.BY GAIN 16.TWN COL 17.TWN TINT 18.B OF MR 19.B OF MB 20.B OF SR 21.B OF SB	7.VNR **(Do not adjust)**	1.MYLV 2.ONMVF 3.MYCOR 4.MYGA 5.YEGON 6.YEGL 7.YLTL 8.MCLV 9.MCGA 10.MCCOR 11.CLTL 12.YNGA 13.COR_OF 14.LPF_OF 15.YCTL 17.YNCON
3.AUDIO **(Do not adjust)**	1.ERR LIMIT 2.A2 ID THR 3.Q-PEAK SOUND SYSTEM 4.SOUND LEVEL SOUND SYSTEM	8.IP **(Do not adjust)**	PPA001 - PPA008 PPB001 - PPB036 PPC001 - PPC007 ADS001 - ADS034 IPA001 - IPA120 IPB001 - IPB088 IPC001 - IPC044 IPD001 - IPD058
4.DEF	1.FREE-RUN 2.V-SHIFT 3.V-SIZE 4.H-CENT 5.H-SIZE 6.TRAPEZ 7.EW-PIN 8.COR-UP 9.COR-LO 10.V.S-COR 11.V-LIN	9.SHIPPING	**(Do not select under the adjustment)**
5.VSM PRESET	1.CONT 2.BRIGHT 3.SHARP 4.COLOUR 5.HUE 6.WDR R 7.WDR G 8.WDR B		

Table 2

2.6 REPLACEMENT OF CHIP COMPONENT

2.6.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

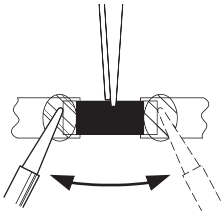
2.6.2 SOLDERING IRON

(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

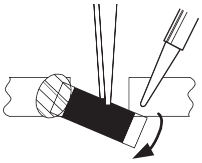
2.6.3 REPLACEMENT STEPS

1. How to remove Chip parts
[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

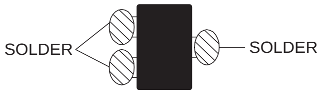


(2) Shift with the tweezers and remove the chip part.

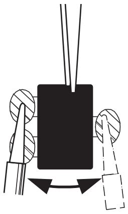


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

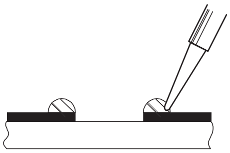


Note :

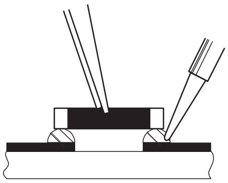
After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts
[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

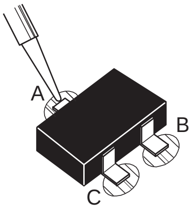


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

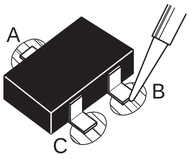


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 3
SERVICE ADJUSTMENTS

3.1 ADJUSTMENT PREPARATION

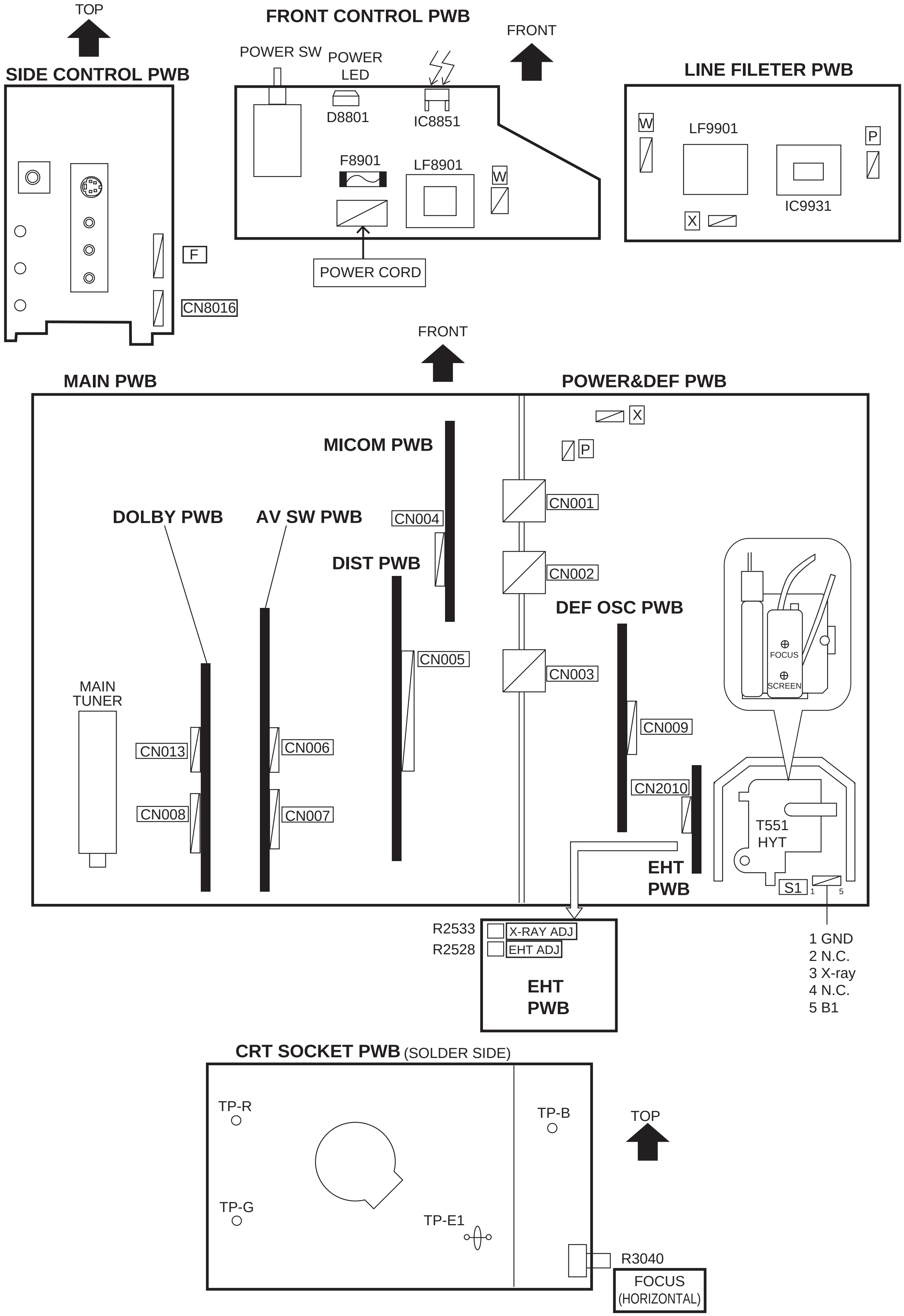
(1) There are 2 ways of adjusting this TV: One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
(2) The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instrument for warming up for at least 30 minutes before starting adjustment.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
(7) Preparation for adjustment (presetting):
Unless otherwise specified in the adjustment items, preset thefollowing functions with the REMOTE CONTROL UNIT:
Setting position

Setting item	Setting value
PICTURE MODE	NORMAL
DIGITAL VNR	AUTO
DIGIPURE PRO	AUTO
SLEEP TIMER	OFF
TONE BALANCE	CENTRE
DIGITAL SURROUND	OFF
BLUE BACK	OFF
ZOOM MODE	FULL

3.2 MEASURING INSTRUMENT AND FIXTURES

- DC voltmeter (or Digital voltmeter)
- Oscilloscope
- Signal generator (Pattern generator) [PAL/SECAM/NTSC]
- Remote control unit

3.3 ADJUSTMENT LOCATIONS


TOP
SIDE CONTROL PWB
F
CN8016
FRONT CONTROL PWB
POWER SW
POWER LED
D8801
IC8851
F8901
LF8901
W
POWER CORD
FRONT
LINE FILETER PWB
W
LF9901
P
IC9931
X
FRONT
MAIN PWB
POWER&DEF PWB
X
P
MICOM PWB
CN001
DOLBY PWB
AV SW PWB
CN004
CN002
DIST PWB
DEF OSC PWB
FOCUS
SCREEN
CN005
CN003
MAIN TUNER
CN009
CN013
CN006
CN2010
CN008
CN007
T551 HYT
EHT PWB
S1
1
5
R2533
X-RAY ADJ
R2528
EHT ADJ
EHT PWB
1 GND
2 N.C.
3 X-ray
4 N.C.
5 B1
CRT SOCKET PWB (SOLDER SIDE)
TP-R
TP-B
TOP
TP-G
TP-E1
R3040
FOCUS (HORIZONTAL)

3.4 BASIC OPERATION IN SERVICE MENU

3.4.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the remote control unit.

3.4.2 SERVICE MENU ITEMS

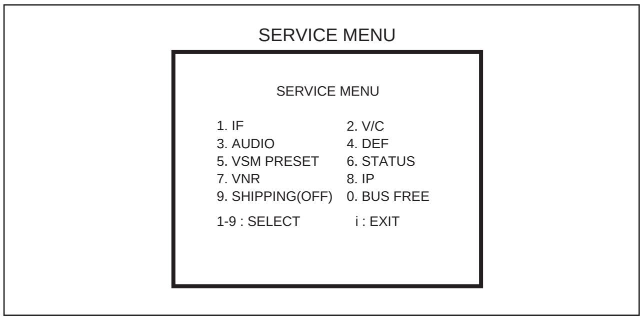
With the SERVICE MENU,various settings (adjustments)can be made,and they are broadly classified in the following items of settings:

1.IF	This mode adjusts the setting values of the IF circuit.
2.V/C	This mode adjusts the setting values of the VIDEO / CHROMA circuit.
3.AUDIO	This mode adjusts the setting values of the SOUND circuit. It is not requirement to adjustment. (Setting only)
4.DEF	This mode adjusts the setting values of the DEFLECTION circuit for each aspect mode given
5.VSM PRESET	This mode adjusts the initial setting values of Bright, Standard & Soft. (VSM: Video Status Memory)
6.STATUS	It is no requirement to adjustment.
7.VNR	This mode adjusts the setting values of the DIGITAL circuit. It is not requirement to adjustment. (Setting only)
8.IP	This mode adjusts the setting values of the IP circuit. It is not requirement to adjustment. (Setting only)
9.SHIPPING(OFF)	Don't select under the adjustment.as this menu is set in "ON" after the inspection. **Note:** When users press the MAIN POWER button, the JVC logo appears. If they press any keys, the LANGUAGE menu appears.
10.BUS FREE	It is not requirement to adjustment.

3.4.3 BASIC OPERATION IN SERVICE MENU

(1) How to enter SERVICE MENU

Press the [INFORMATION] key and the [MUTE] key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig. 1 will be displayed.



```
SERVICE MENU

SERVICE MENU

1. IF                2. V/C
3. AUDIO             4. DEF
5. VSM PRESET        6. STATUS
7. VNR               8. IP
9. SHIPPING(OFF)     0. BUS FREE

1-9 : SELECT          i : EXIT
```

Fig.1

(2) Selection of SUB MENU SCREEN

Press one of keys [1~5] of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.

SERVICE MENU ---> SUB MENU

- 1. IF
- 2. V/C
- 3. AUDIO **(Do not adjust)**
- 4. DEF.
- 5. VSM PRESET
- 6. STATUS **(Do not adjust)**
- 7. VNR **(Do not adjust)**
- 8. IP **(Do not adjust)**
- 9. SHIPPING (OFF) **(Do not adjust)**
- 0. BUS FREE **(Do not adjust)**

Names of key	**key**
INFORMATION	ⓘ
MUTING	🔇
OK	OK
FUNCTION UP/DOWN	▲ ▼
FONCTION -/+	◀ ▶

Fig.2

(3) Method of Setting

1) Method of Setting 1.IF

[1.VCO] : It must not adjust without signal.

Key	Function
(a) [1]	Select 1.1F
(b) [1]	Select 1.VCO (CW) Make sure that the arrow position between the ABOVE REF and BELOW REF.
(c) [INFORMATION]	Return to the SERVICE MENU screen.

2) Method of setting 2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.

Key	Function
(a) [2~5]	Select one from 2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET.
(b) FUNCTION UP / DOWN (▲/▼)	Select setting items.
(c) FUNCTION -/+ (◀ / ▶)	Set (adjust) the setting values of the setting items.
(d) OK	Memorize the setting value. (Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key if you do, the values will not be stored in memory.)
(e) INFORMATION	Return to the SERVICE MENU screen.

3) Do not setting 6.STATUS, 7.VNR, 8.IP, 9.SHIPPING (OFF) and 0.BUS FREE.

(4) Release of SERVICE MENU

After completing the setting, return to the SERVICE MENU, then again press the [INFORMATION] key.

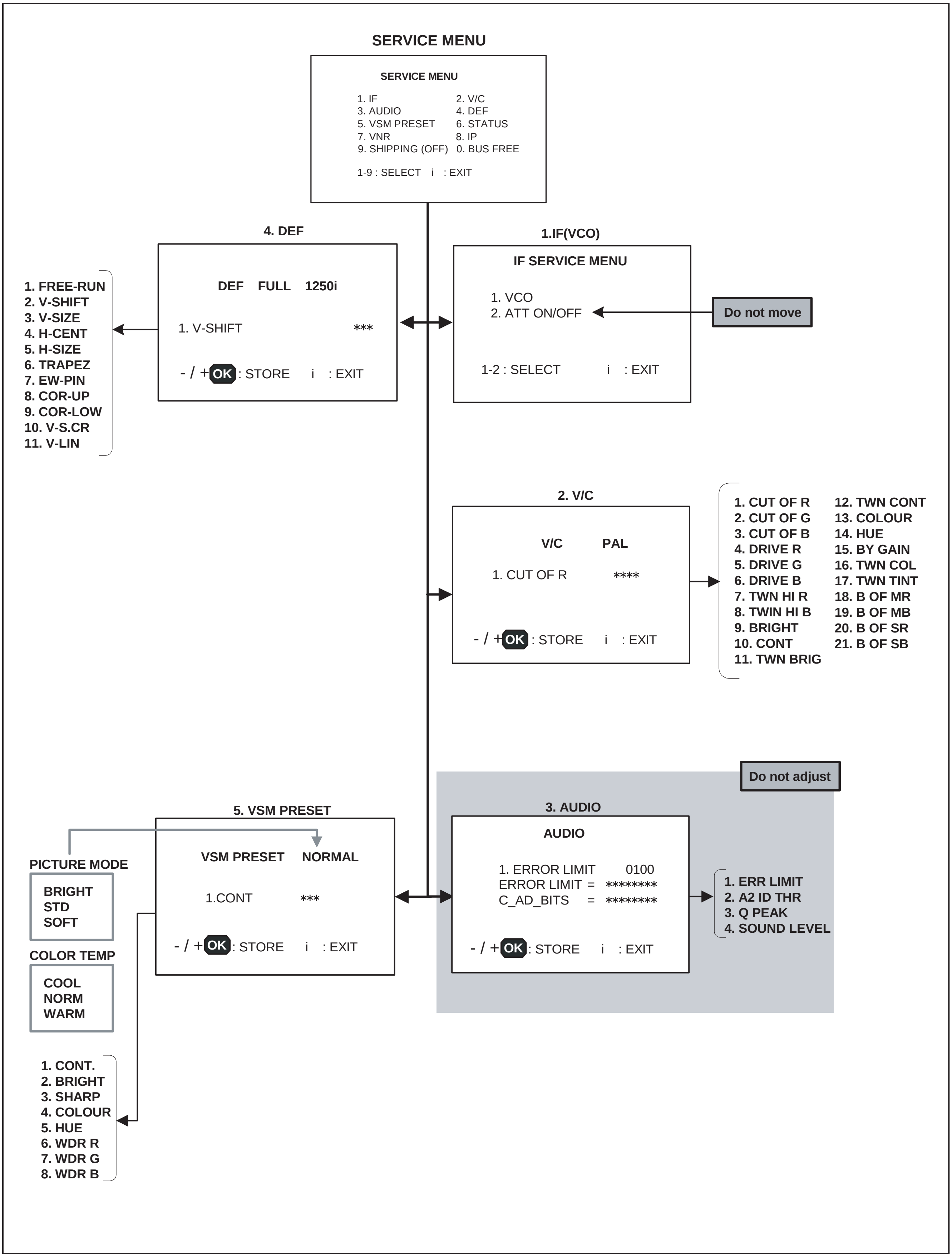
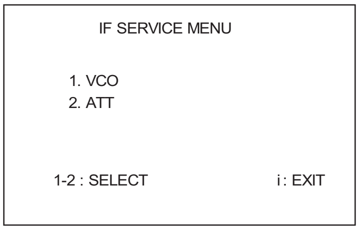

SERVICE MENU
SERVICE MENU
1. IF
2. V/C
3. AUDIO
4. DEF
5. VSM PRESET
6. STATUS
7. VNR
8. IP
9. SHIPPING (OFF)
0. BUS FREE
1-9 : SELECT i : EXIT
4. DEF
DEF FULL 1250i
1. V-SHIFT ***
- / + OK : STORE i : EXIT
1. FREE-RUN
2. V-SHIFT
3. V-SIZE
4. H-CENT
5. H-SIZE
6. TRAPEZ
7. EW-PIN
8. COR-UP
9. COR-LOW
10. V-S.CR
11. V-LIN
1.IF(VCO)
IF SERVICE MENU
1. VCO
2. ATT ON/OFF
1-2 : SELECT i : EXIT
Do not move
2. V/C
V/C PAL
1. CUT OF R ****
- / + OK : STORE i : EXIT
1. CUT OF R
2. CUT OF G
3. CUT OF B
4. DRIVE R
5. DRIVE G
6. DRIVE B
7. TWN HI R
8. TWIN HI B
9. BRIGHT
10. CONT
11. TWN BRIG
12. TWN CONT
13. COLOUR
14. HUE
15. BY GAIN
16. TWN COL
17. TWN TINT
18. B OF MR
19. B OF MB
20. B OF SR
21. B OF SB
Do not adjust
3. AUDIO
AUDIO
1. ERROR LIMIT 0100
ERROR LIMIT = ********
C_AD_BITS = ********
- / + OK : STORE i : EXIT
1. ERR LIMIT
2. A2 ID THR
3. Q PEAK
4. SOUND LEVEL
5. VSM PRESET
VSM PRESET NORMAL
1.CONT ***
- / + OK : STORE i : EXIT
PICTURE MODE
BRIGHT
STD
SOFT
COLOR TEMP
COOL
NORM
WARM
1. CONT.
2. BRIGHT
3. SHARP
4. COLOUR
5. HUE
6. WDR R
7. WDR G
8. WDR B

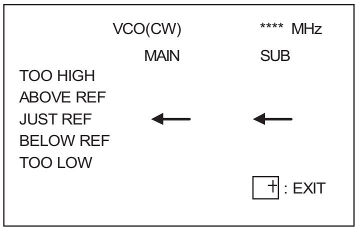
Fig.3 SERVICE MENU SCREEN

3.5 ADJUSTMENTS

3.5.1 CHECK ITEM

Item	Mesuring instrument	Test point	Adjustment part	Description
B1 POWER SUPPLY Check	Signal generator DC voltmeter Remote control unit	CN0S1 connector pin-1 (GND) CN0S1 connector pin-5 (B1) [POWER & DEF PWB]	2. V/C --> 1. CUT OF R	(1) Receive any broadcast. (2) Select 2. V/C from the SERVICE MENU. (3) Select 1. CUT OF R. (4) Press the [YELLOW] key to display a signal horizontal line. (5) Connect the voltmeter between 5pin (B1), and 1pin (GND) of the connector CN0S1. (6) Confirm that the voltage is DC185V ± 2V.
VCO Check	Remote control unit		1. IF --> 1. VCO	• Under normal conditions, no adjustment is required. (1) Receive any broadcast. (2) Select 1.IF from the SERVICE MENU. (3) Select 1.VCO. (4) Check the arrow position of MAIN between the “ABOVE REF.” and “BELOW REF.” . (5) Check the arrow position of SUB between the “ABOVE REF.” and “BELOW REF.”.


IF SERVICE MENU
1. VCO
2. ATT
1-2 : SELECT
i : EXIT


VCO(CW)
**** MHz
MAIN
SUB
TOO HIGH
ABOVE REF
JUST REF
BELOW REF
TOO LOW
: EXIT

The arrow position mean AFC voltage level.

3.5.2 HIGH VOLTAGE

Item	Mesuring instrument	Test point	Adjustment part	Description
HIGH VOLTAGE	Signal generator HV voltmeter Remote control unit	CRT anode Chassis GND	2. V/C --> 1. CUT OF R EHT VR (R2528) [EHT PWB]	(1) Receive any broadcast. (2) Select 2. V/C from the SERVICE MENU. (3) Select 1. CUT OF R. (4) Press the [YELLOW] key to display a signal horizontal line. (5) Connect a HV voltmeter between CRT ANODE and chassis GND (6) Adjust EHT VR so that the voltage is 31.0kV ± 0.2kV.

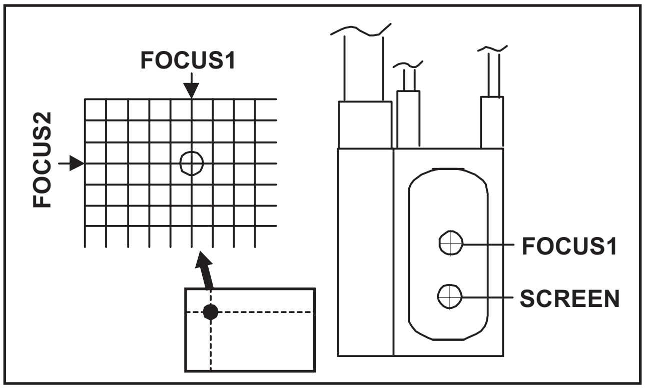
3.5.3 X-RAY PROTECTOR

Item	Mesuring instrument	Test point	Adjustment part	Description
X-RAY PROTECTION	Signal generator DC voltmeter	CN0S1 connector pin-1 (GND) CN0S1 connector pin-3 (X-RAY) [POWER & DEF PWB]	X-RAY VR (R2533) [EHT PWB]	(1) Receive any broadcast. (2) Connect a DC voltmeter between pin1 and pin3 of the connector CN0S1. (3) Adjust X-RAY VR so that the voltage value is 4.9V ± 0.2V.

3.5.4 HORIZONTAL FREQUENCY

Item	Mesuring instrument	Test point	Adjustment part	Description
HORIZONTAL FREQUENCY	Signal generator Remote control unit		4.DEF --> 1. FREE-RUN	(1) Receive the cross-hatch signal. (2) Set the FULL mode. (3) Select 4. DEF from the SERVICE MENU. (4) Select 1.FREE-RUN. (5) Adjust so that the movement of the picture slows most while watching the picture. (6) Press the [OK] key and memorized the set data.

3.5.5 FOCUS

Item	Mesuring instrument	Test point	Adjustment part	Description
FOCUS	Signal generator Remote control unit		FOCUS 1 VR [HVT] FOCUS 2 VR (R3040) [CRT SOCKET PWB]	(1) Receive the cross-hatch signal (2) Set the FULL mode. (3) By turning the FOCUS 1 VR, adjust the picture so that the “ ○ “ part horizontal line may become thinnest. (4) By turning the FOCUS 2 VR, adjust the picture so that the most outside vertical line may become thinnest. (5) Carry out adjustment by repeating the steps 3 and 4 above. (6) Make sure that the screen is darkened, the lines remain in good focus.
				

3.5.6 VSM PRESET ADJUST SETTING

Item	Mesuring instrument	Test point	Adjustment part	Description
VSM PRESET setting	Remote control unit		5. VSM PRESET --> 1. CONT 2. BRIGHT 3. SHARP 4. COLOUR 5. HUE 6. WDR R 7. WDR G 8. WDR B	(1) Select 5. VSM PRESET from the SERVICE MENU. (2) Select the PICTURE MODE to BRIGHT. (3) Adjust to bring the set values of 1. CONT to 5. HUE to the values shown in the table. (4) Press the [OK] key and memorize the set value. (5) Respectively select PICTURE MODE for SOFT and STD, and make similar adjustment as step 3 and 4 in above. (6) Select the COLOUR TEMP to COOL. (7) Adjust to bring the set values of 6. WDR R to 8. WDR B to the values shown in the table. (8) Press the [OK] key and memorize the set value. (9) Respectively select COLOUR TEMP for WARM and NORMAL, and make similar adjustment as step 7 and 8 in above.

SETTING VALUES OF VSM PRESET

	PICTURE MODE			COLOUR TEMP		
	BRIGHT	STD	SOFT	COOL	NORMAL	WARM
1.CONT	+12	+5	-8	-	-	-
2.BRIGHT	-2	0	0	-	-	-
3.SHARP	0	0	-2	-	-	-
4.COLOUR	0	0	-2	-	-	-
5.HUE	0	0	0	-	-	-
6.WDR R	-	-	-	-4	0	+8
7.WDR G	-	-	-	0	0	0
8.WDR B	-	-	-	+8	0	-1

3.5.7 VIDEO / CHROMA CIRCUIT ADJUSTMENT

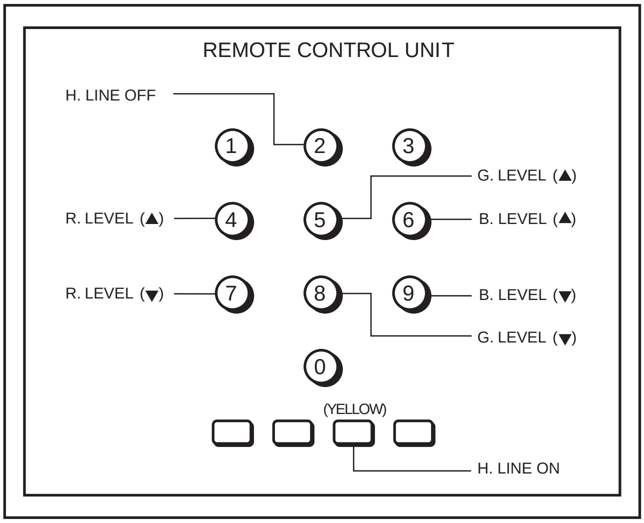
The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

Setting item (Adjustment item)	TV		EXT-1 / EXT-2 / EXT-3 / EXT-5			EXT-4			
	PAL	SECAM	PAL	SECAM	NTSC	625i	525i	625p	525p
1.CUT OF R	88	88	88	88	88	[0]	[0]	[0]	[0]
2.CUT OF G	88	88	88	88	88	[0]	[0]	[0]	[0]
3.CUT OF B	88	88	88	88	88	[0]	[0]	[0]	[0]
4.DRIVE R	64	64	64	64	64	[0]	[0]	[0]	[0]
5.DRIVE G	64	64	64	64	64	[0]	[0]	[0]	[0]
6.DRIVE B	64	64	64	64	64	[0]	[0]	[0]	[0]
7.TWN HI R	67	67	67	67	67	[-1]	[-1]	[-4]	[-4]
8.TWN HI B	67	67	67	67	67	[-1]	[-1]	[-1]	[-1]
9.BRIGHT	141	141	141	141	141	[-5]	[-5]	[-1]	[-1]
10.CONT	70	70	70	70	70	[0]	[0]	[0]	[0]
11.TWN BRIG	76	76	76	76	76	[0]	[0]	[0]	[0]
12.TWN CONT	7	7	7	7	7	[0]	[0]	[0]	[0]
13.COLOUR	60	60	[0]	[0]	60	[0]	[0]	[0]	[0]
14.HUE	[32]	[32]	32	32	32	[68]	[68]	[0]	[0]
15.BY GAIN	[43]	[43]	[0]	[0]	[43]	[0]	[0]	[0]	[0]
16.TWN COL	6	6	[0]	[0]	6	-	-	-	-
17.TWN TNT	[32]	[32]	32	32	32	-	-	-	-
18.B OF MR	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]
19.B OF MB	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]
20.B OF MR	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]
21.B OF MB	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]	[08]

Mark [ ] : Fix (Do not move)

<table>
<tr><th>Item</th><th>Mesuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>WHITE BALANCE (Low light)</td><td>Signal generator

Remote control unit</td><td></td><td>2. V/C -->
1. CUT OF R
2. CUT OF G
3. CUT OF B

SCREEN VR [HVT]</td><td rowspan="2">(1) Receive the black and white pattern signal (colour off).
(2) Set the FULL mode.
(3) Select 2. V/C from the SERVICE MENU.
(4) Select 1. CUT OF R and set each value to initial setting value.
(5) Press the [YELLOW] key to display a signal horizontal line.
(6) Turn the SCREEN VR fully counterclockwise, then slowly turn it clockwise to where a red, blue or green colour is faintly visible.
(7) Adjust the other 2 colours to where the single horizontal line appears white.
(8) Turn the SCREEN VR to where the single horizontal line glows faintly.
(9) Press the [2] key to release the holizontal line mode.
(10) Press the [OK] key and memorized the set value.</td></tr>
<tr><td colspan="4">
</td></tr>
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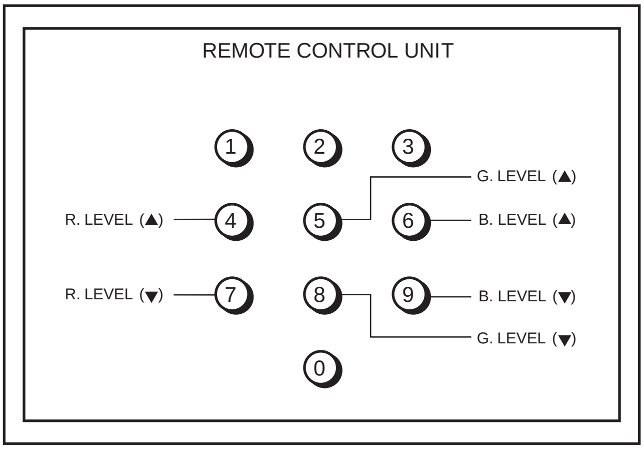
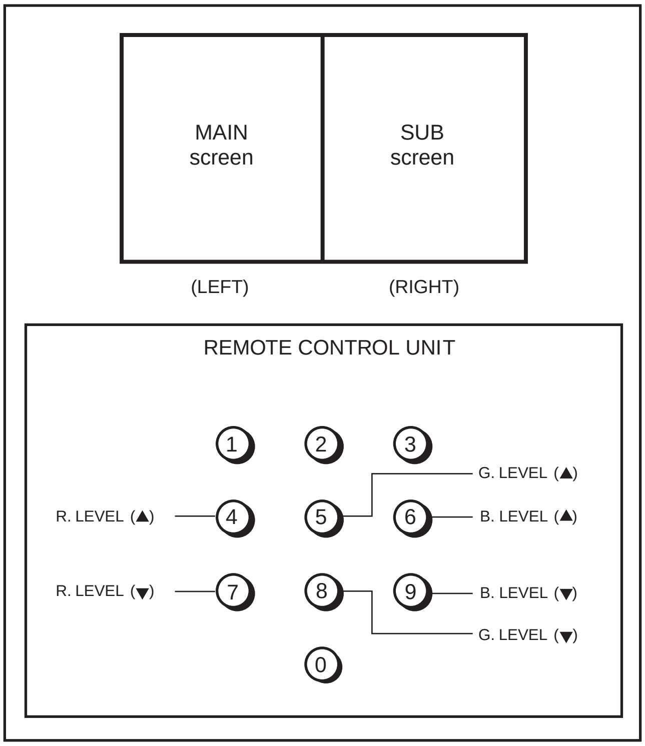
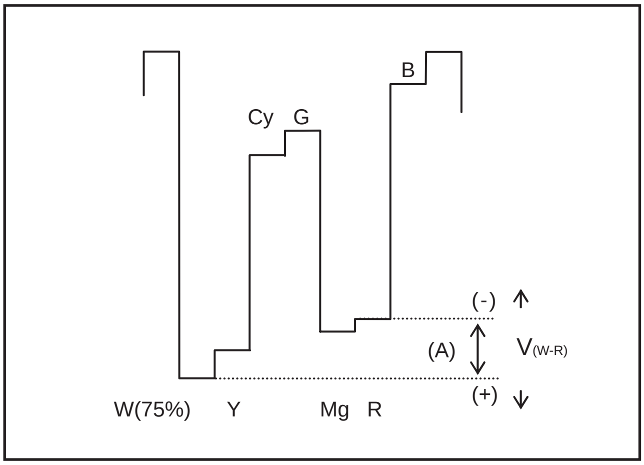
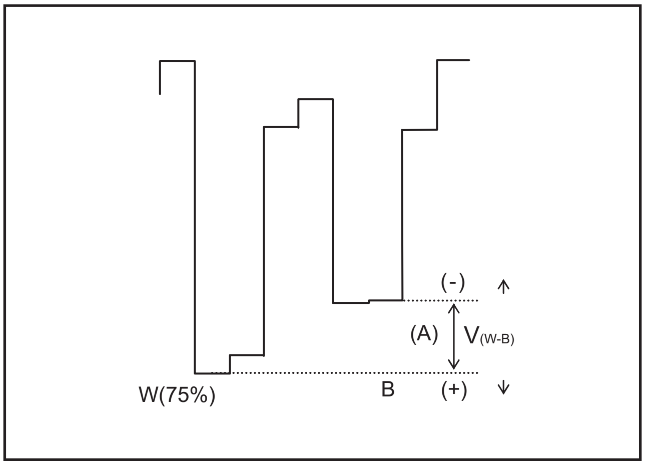
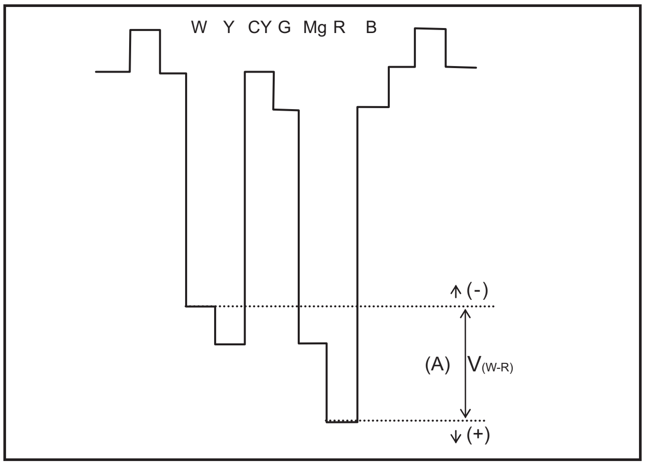
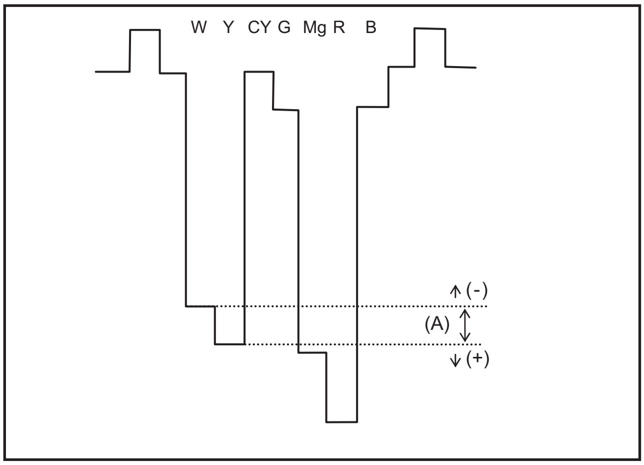
Item	Mesuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (High light)	Signal generator Remote control unit		2. V/C --> 4. DRIVE R 5. DRIVE G 6. DRIVE B	• Proceed to the following adjustment after having completed the adjustment of LOW LIGHT WHITE BALANCE. (1) Receive the black and white pattern signal (colour off). (2) Set the FULL mode. (3) Select 2. V/C from the SERVICE MENU. (4) Select 4. DRIVE R, and 6. DRIVE B and set each value to initial setting value. (5) Produce a white screen. (6) Press the [OK] key and memorize the set value.
 REMOTE CONTROL UNIT 1 2 3 G. LEVEL (▲) R. LEVEL (▲) 4 5 6 B. LEVEL (▲) R. LEVEL (▼) 7 8 9 B. LEVEL (▼) G. LEVEL (▼) 0				
SUB SCREEN WHITE BALANCE (High light)	Signal generator Remote control unit		2. V/C --> 7. TWIN HI R	(1) Receive the black and white pattern signal (colour off). (2) Select the Twin screen mode by pressing the [PIP] key. (3) Select 2. V/C from the SERVICE MENU. (4) Select 7.TWIN HI R. (5) Adjust so that the white level on the right screen in the same manner as for left screen. (6) Press the [OK] key and memorize the set value.
 MAIN screen SUB screen (LEFT) (RIGHT) REMOTE CONTROL UNIT 1 2 3 G. LEVEL (▲) R. LEVEL (▲) 4 5 6 B. LEVEL (▲) R. LEVEL (▼) 7 8 9 B. LEVEL (▼) G. LEVEL (▼) 0				

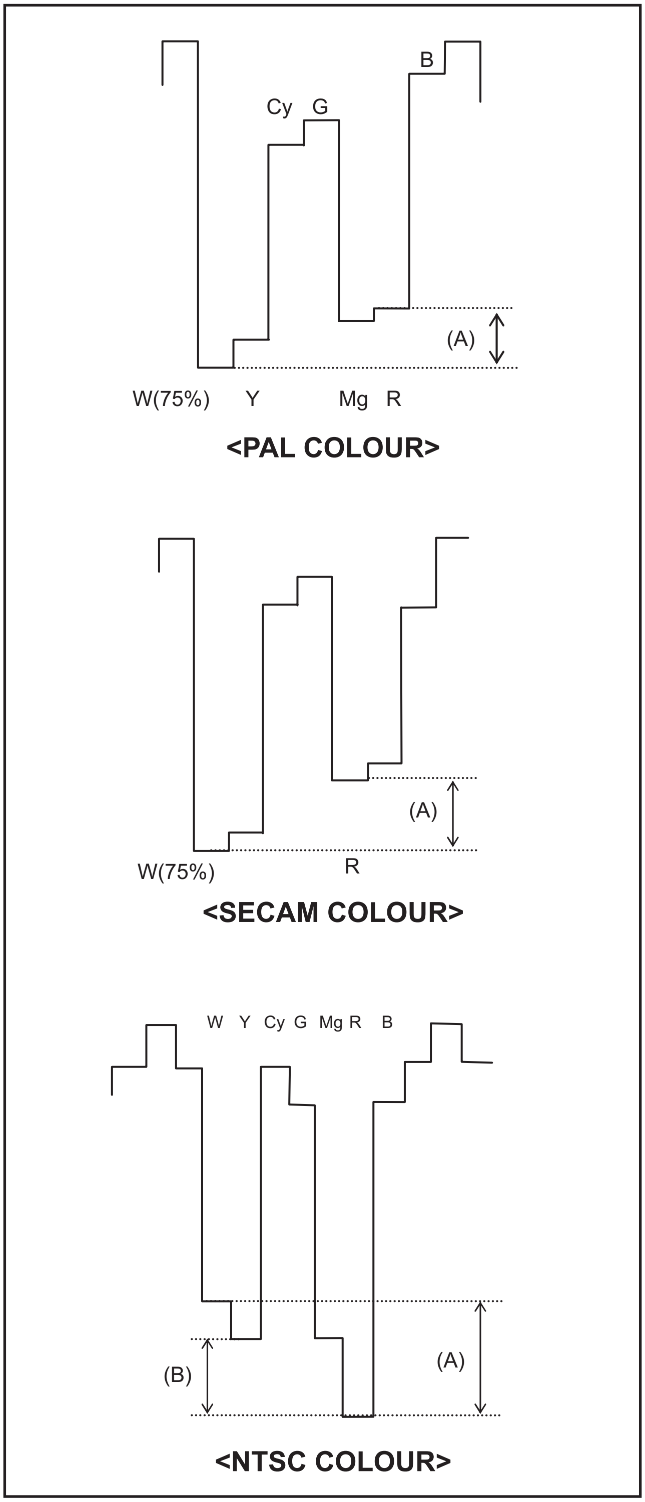
Item	Mesuring instrument	Test point	Adjustment part	Description
SUB BRIGHTNESS	Signal generator Remote control unit		2. V/C --> 9. BRIGHT	(1) Receive the black and white pattern signal (colour off). (2) Select 2. V/C from the SERVICE MENU. (3) Select 9. BRIGHT. (4) Set the inital setting value. (5) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness. (6) Press the [OK] key and memorize the set value.
SUB CONTRAST	Signal generator Remote control unit		2. V/C--> 10. CONT	(1) Receive the black and white pattern signal (colour off). (2) Select 2. V/C from the SERVICE MENU. (3) Select 10. CONT. (4) Set the inital setting value. (5) If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast. (6) Press the [OK] key and memorize the set value.
SUB SCREEN SUB BRIGHTNESS & SUB CONTRAST	Signal generator Remote control unit		2. V/C --> 11. TW BRIG 12. TW CONT	(1) Receive the black and white pattern signal (colour off). (2) Select the Twin screen mode by pressing the [PIP] key. (3) Select 2. V/C from the SERVICE MENU. (4) Select 11.TW BRIG. (5) Set the inital setting value. (6) Adjust 11.TW BRIG so that the right screen becomes the same as for the left screen. (7) Adjust 12. TW CONT so that right screen becomes the same as for the left screen. (8) If brightness was changed, adjust it one more time. (9) Press the [OK] key and memorize the set value.
PAL SUB COLOUR	Signal generator Oscilloscope Remote control unit	TP-R TP-E [CRT SOCKET PWB]	2. V/C --> 13. COLOUR	**[Method of adjustment without measuring instrument]** (1) Receive PAL broadcast. (2) Select 2.V/C from the SERVICE MENU. (3) Select 13.COLOUR. (4) Set the initial setting value for PAL COLOUR. (5) If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. (6) Press the [OK] key and memorize the set value. **[Method of adjustment using measuring instrument]** (1) Receive a PAL full field colour bar signal (75% white). (2) Select 2.V/C from the SERVICE MENU. (3) Select 13.COLOUR. (4) Set the initial setting value for PAL COLOUR. (5) Connect the oscilloscope between TP-R and TP-E. (6) Adjust PAL COLOUR and bring the value of (A) in the illustration to 5V (voltage difference between white (W) and red (R)). (7) Press the [OK] key and memorize the set value.
 B Cy G (-) (A) V(W-R) (+) W(75%) Y Mg R				

Item	Mesuring instrument	Test point	Adjustment part	Description
SECAM SUB COLOUR	Signal generator Oscilloscope Remote control unit	TP-R TP-E [CRT SOCKET PWB]	2. V/C --> 13. COLOUR	**[Method of adjustment without measuring instrument]** (1) Receive SECAM broadcast. (2) Select 2.V/C from the SERVICE MENU. (3) Select 13.COLOUR. (4) Set the initial setting value for SECAM COLOUR. (5) If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. (6) Press the [OK] key and memorize the set value. **[Method of adjustment using measuring instrument]** (1) Receive a SECAM colour bar signal. (2) Select 2.V/C from the SERVICE MENU. (3) Select 13.COLOUR. (4) Set the initial setting value for SECAM COLOUR. (5) Connect the oscilloscope between TP-R and TP-E. (6) Adjust SECAM COLOUR and bring the value of (A) in the illustration to 4V (voltage difference between white (W) and blue (B)). (7) Press the [OK] key and memorize the set value.
				
NTSC SUB COLOUR	Signal generator Oscilloscope Remote control unit	TP-R TP-E [CRT SOCKET PWB]	2. V/C --> 13. COLOUR	**[Method of adjustment without measuring instrument]** (1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal from the EXT terminal. (2) Select 2.V/C from the SERVICE MENU. (3) Select 13.COLOUR. (4) Set the initial setting value for NTSC COLOUR. (5) If the colour is not the best with the initial set value, make fine adjustment until you get the best colour. (6) Press the [OK] key and memorize the set value. **[Method of adjustment using measuring instrument]** (1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal. (2) Select 2.V/C from the SERVICE MENU. (3) Select 13.COLOUR. (4) Set the initial setting value for NTSC COLOUR. (5) Connect the oscilloscope between TP-R and TP-E. (6) Adjust NTSC COLOUR and bring the value of (A) in the illustration to 3V (voltage difference between white (W) and red (R)). (7) Press the [OK] key and memorize the set value. **-NTSC 4.43MHz COLOUR-** When NTSC 3.58MHz COLOUR, set, NTSC 4.43MHz COLOUR will automatically set.
				

<table>
<tr><th>Item</th><th>Mesuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>NTSC 3.58MHz SUB TINT</td><td>Signal generator
Oscilloscope
Remote control unit</td><td>TP-R
TP-E
[CRT SOCKET PWB]</td><td>2. V/C -->
14. HUE</td><td rowspan="2">[Method of adjustment without measuring instrument]
(1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.
(2) Select 2. V/C from the SERVICE MENU.
(3) Select 14. HUE.
(4) Set the initial setting value for NTSC HUE.
(5) If the colour is not the bwst with the initial set value, make fine adjustment until you get the best colour.
(6) Press the [OK] key and memorize the set value.
[Method of adjustment using measuring instrument]
(1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.
(2) Select 2.V/C from the SERVICE MENU.
(3) Select 14.HUE.
(4) Connect the oscilloscope between TP-R and TP-E.
(5) Adjust NTSC COLOUR and bring the value of (A) in the illustration to -1V (voltage difference between white (W) and yellow (Y)).
(6) Press the [OK] key and memorize the set value.

-NTSC 4.43MHz TINT-
When NTSC 3.58MHz TINT, set, NTSC 4.43MHz TINT will automatically set.</td></tr>
<tr><td colspan="4">
</td></tr>
</table>

Item	Mesuring instrument	Test point	Adjustment part	Description
SUB SCREEN SUB COLOUR & SUB TINT	Signal generator Oscilloscope Remote control unit	TP-R TP-E [CRT SOCKET PWB]	2. V/C --> 16.TWN COL 17.TWN TNT	(1) Receive PAL colour bar signal to right and left screen. (2) Select the Twin screen mode by pressing the [PIP] key. (3) Select 2. V/C from the SERVICE MENU. (4) Select 16. TWIN COL. (5) Connect the osilloscope to TP-R. (6) Adjust so that the colour difference (A) on the right screen in the same manner as for left screen. (7) Press the [OK] key and memorize the set value. (8) Receive SECAM colour bar signal to right and left screen. (9) Adjust so that the colour difference (A) on the right screen in the same manner as for left screen. (10) Press the [OK] key and memorize the set value. (11) Input a NTSC 3.58MHz COMPOSITE VIDEO signal to right and left screen. (12) Adjust so that the colour difference (A) on the right screen in the same manner as for left screen. (13) Select 17. TWIN TNT. (14) Adjust so that the colour difference (B) on the right screen in the same manner as for left screen. (15) Press the [OK] key and memorize the set value.



<PAL COLOUR>

<SECAM COLOUR>

<NTSC COLOUR>

3.5.8 DEFLECTION CIRCUIT ADJUSTMENTS

**The setting (adjustment) using the remote control unit is made on the basis of the initial setting values.
The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**

**When the FULL mode has been established, the setting of other aspect modes will be done automatically.
There are 2 modes of the adjustment (1) 1250i mode and (2) 1500i depending upon the kind of signal (vertical frequency 50Hz/60Hz). FIrst adjust the 1250i mode, then adjust the 1500i mode.**

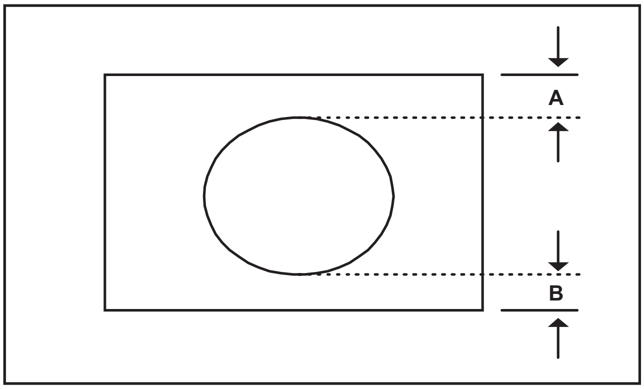
Note:

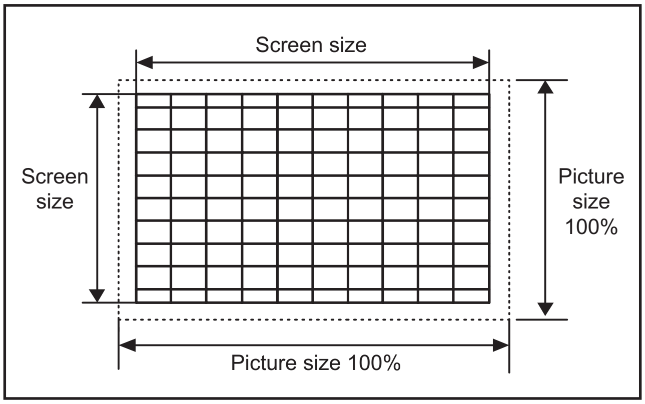
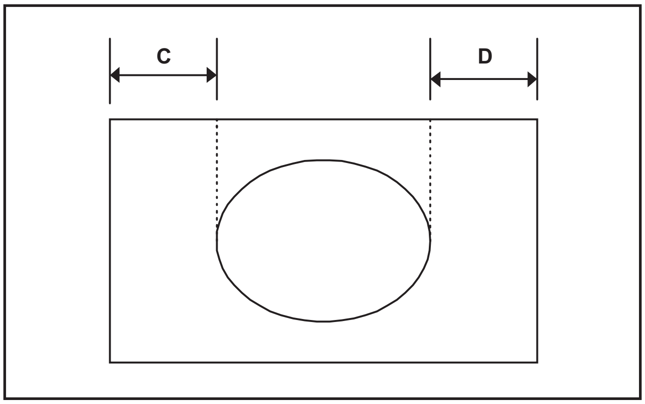
Proceed to the following adjustment after having completed the VIDEO / CHROMA adjustments. (BRIGHT and CONTRAST)

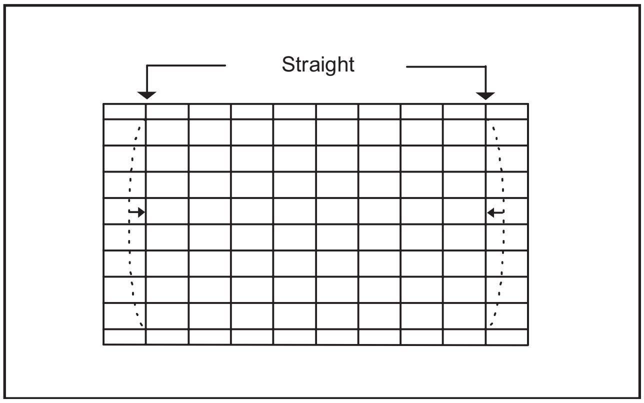
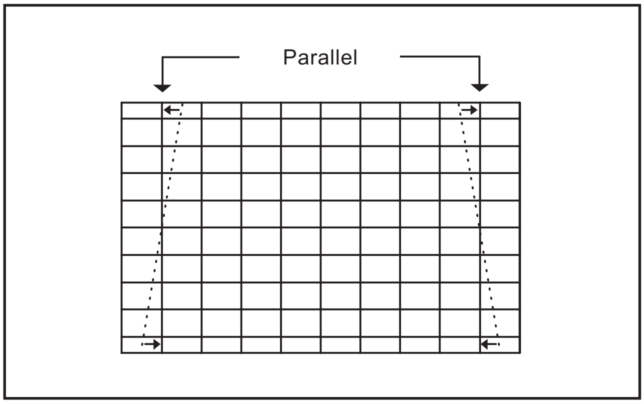
	4. DEF		
ASPECT	**FULL**		
SCAN MODE	**1250i (fv=50Hz)**	**1500i (fv=60Hz)**	**900i (fv=50Hz)**
1.FREE-RUN	70	0	0*
2.V-SHIFT	21	-2	1*
3.V-SIZE	59	0	6*
4.H-CENT	50	3	0*
5.H-SIZE	26	0	1*
6.TRAPEZ	30	0	0*
7.EW-PIN	28	0	0*
8.COR-UP	6	0	0*
9.COR-ROW	6	0	0*
10.V-S.CR	28	0	0*
11.V-LIN	40	0	0*

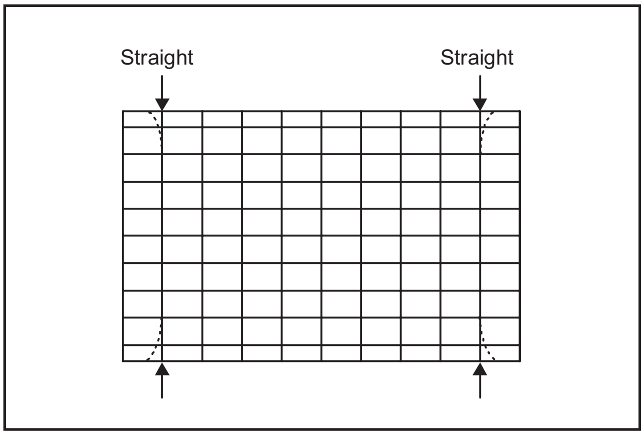
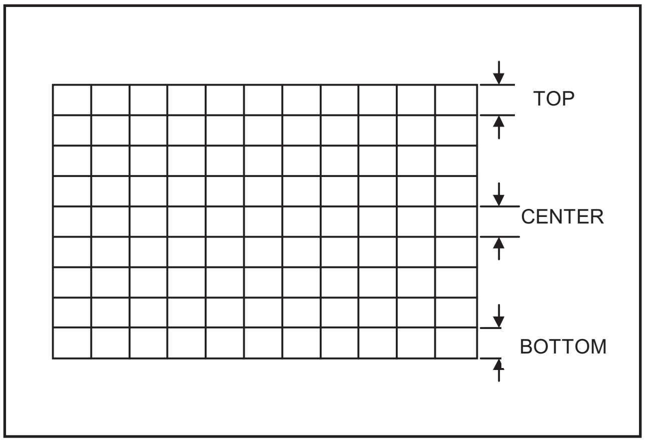
Mark * : Fix (Do not move)

Item	Mesuring instrument	Test point	Adjustment part	Description
V.POSITION	Signal generator Remote control unit		4.DEF --> 2.V-SHIFT	(1) Receive a circle pattern signal. (2) Set the FULL mode. (3) Select 4. DEF from the SERVICE MENU. (4) Select 2.V-SHIFT. (5) Adjust to make “A”=“B”. (6) Press the [OK] key and memorize the set value.



<table>
<tr><th>Item</th><th>Mesuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>V.SIZE</td><td>Signal generator
Remote control unit</td><td></td><td>4.DEF -->
3.V-SIZE</td><td rowspan="2">(1) Receive a cross-hatch signal.
(2) Select 4.DEF from the SERVICE MENU.
(3) Select 3.V-SIZE.
(4) Adjust to make the vertical screen size 92% of the picture size.
(5) Press the [OK] key and memorize the set value.</td></tr>
<tr><td colspan="4">
</td></tr>
<tr><td>H.POSITION</td><td>Signal generator
Remote control unit</td><td></td><td>4.DEF -->
4.H-CENT</td><td rowspan="2">(1) Receive a circle pattern signal.
(2) Select 4.DEF from the SERVICE MENU.
(3) Select 4.H-CENT.
(4) Adjust to make “C”=“D”.
(5) Press the [OK] key and memorize the set value.</td></tr>
<tr><td colspan="4">
</td></tr>
<tr><td>H.WIDTH</td><td>Signal generator
Remote control unit</td><td></td><td>4.DEF -->
5.H-SIZE</td><td>(1) Receive a circle pattern signal.
(2) Select 4.DEF from the SERVICE MENU.
(3) Select 5.H-SIZE.
(4) Adjust to make the horizontal screen size 92% of the picture size.
(5) Press the [OK] key and memorize the set value.</td></tr>
</table>

Item	Mesuring instrument	Test point	Adjustment part	Description
SIDEPIN	Signal generator Remote control unit		4.DEF --> 7.EW-PIN	(1) Receive a cross-hatch signal. (2) Select 4.DEF from the SERVICE MENU. (3) Select 7. EW-PI.N (4) Adjust so that the first vertical lines at the left and right edges on the screen are straight. (5) Press the [OK] key and memorize the set value.
				
TRAPEZIUM	Signal generator Remote control unit		4.DEF --> 6.TRAPEZ	(1) Receive a cross-hatch signal. (2) Select 4.DEF from the SERVICE MENU. (3) Select 6. TRAPEZ. (4) Set the initial setting value. (5) Adjust so that the vertical lines at the left and right edges on the screen are in parallel. (6) Press the [OK] key and memorize the set value.
				

Item	Mesuring instrument	Test point	Adjustment part	Description
CORNER PIN	Signal generator Remote control unit		4. DEF --> 8. COR-UP 9. COR-LOW	(1) Receive a cross-hatch signal. (2) Select 4. DEF from the SERVICE MENU. (3) Select 8.COR-UP. (4) Set the initial setting value. (5) Adjust to bring the straight line at the upper corner. (6) Select 9.COR-LOW. (7) Set the initial setting value. (8) Adjust to bring the straight line at the lower corner. (9) Press the [OK] key and memorize the set value.
				
V.S-SHAPE CORRECTION & V.LINEARITY	Signal generator Remote control unit		4. DEF --> 10. V-S.CR 11. V-LIN	• When the vertical linearity has been deteriorated remarkably, perform the following steps. • Do not adjust PANORAMIC & SUBTITLE mode. (1) Receive a cross-hatch signal. (2) Select 4. DEF from the SERVICE MENU. (3) Select 11.V-LIN. (4) Set the initial setting value. (5) Select 10.V-S.CR. (6) Set the initial setting value. (7) Adjust 11.V-LIN and 10.V-S.CR so that the spaces of each line on TOP, CENTER and BOTTOM become uniform.
				

3.5.9 AUDIO ADJUSTMENT

Do not adjust 3. AUDIO adjustment of the SERVICE MENU as it requires no adjustment.
If values had changed for the some reason, set the initial values in the following table.

3. AUDIO (Do not adjust)

Setting item	Variable range	Initial setting value (fixed)
1. ERROR LIMIT	0000H ~ 0FF0H	0100
2. A2 ID THR	0000H ~ 00FF	19H
3. Q-PEAK (Do not adjust)	---	---
4. SOUND SYSTEM	F00FH ~ FFFFH	FFFFH

VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

Printed in Japan
0212 WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those wphich are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT 2
EXPLODED VIEW PARTS LIST -1 3
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  POWER & DEF P.W. BOARD ASS'Y 9
  CRT SOCKET P.W. BOARD ASS'Y 11
  FRONT CONTROL P.W. BOARD ASS'Y 12
  SIDE CONTROL P.W. BOARD ASS'Y 12
  LINE FILTER P.W. BOARD ASS'Y 12
  DOLBY P.W. BOARD ASS'Y 12
  EHT P.W. BOARD ASS'Y 15
  DEF OSC P.W. BOARD ASS'Y 16
  MICOM P.W. BOARD ASS'Y 17
  AV SW P.W. BOARD ASS'Y 18
  DIST P.W. BOARD ASS'Y 20
REMOTE CONTROL UNIT PARTS LIST 27
PACKING 28
PACKING PARTS LIST 28

USING P.W. BOARD & REMOTE CONTROL UNIT

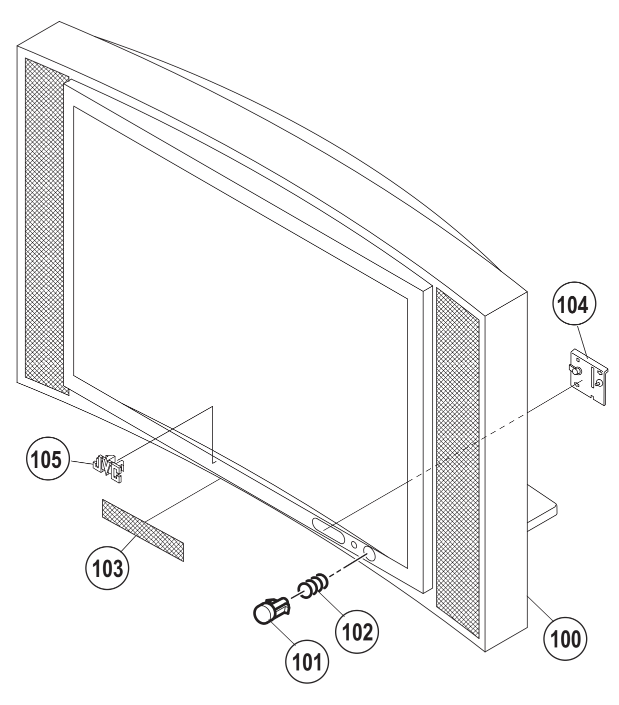
Model / PWB ASS'Y	HV-32D25EUW	HV-32D25EJW
MAIN PWB	SMK-1001A-U2	⟵
POWER & DEF. PWB	SMK-2001A-U2	⟵
CRT SOCKET PWB	SMK-3001A-U2	⟵
FRONT CONTROL PWB	SMK-8001A-U2	⟵
SIDE CONTROL PWB	SMK-8101A-U2	⟵
LINE FILTER PWB	SMK-9001A-U2	⟵
DOLBY PWB	SMK-0D001A-U2	⟵
EHT PWB	SMK-0E001A-U2	⟵
DEF OSC PWB	SMK-0H001A-U2	⟵
MICOM PWB	SMK-0M001A-U2	⟵
AV SW PWB	SMK-0S001A-U2	⟵
DIST PWB	SMK-0Z001A-U2	⟵
REMOTE CONTROL UNIT	RM-C61-1C	RM-C62-1C

EXPLODED VIEW PARTS LIST -1

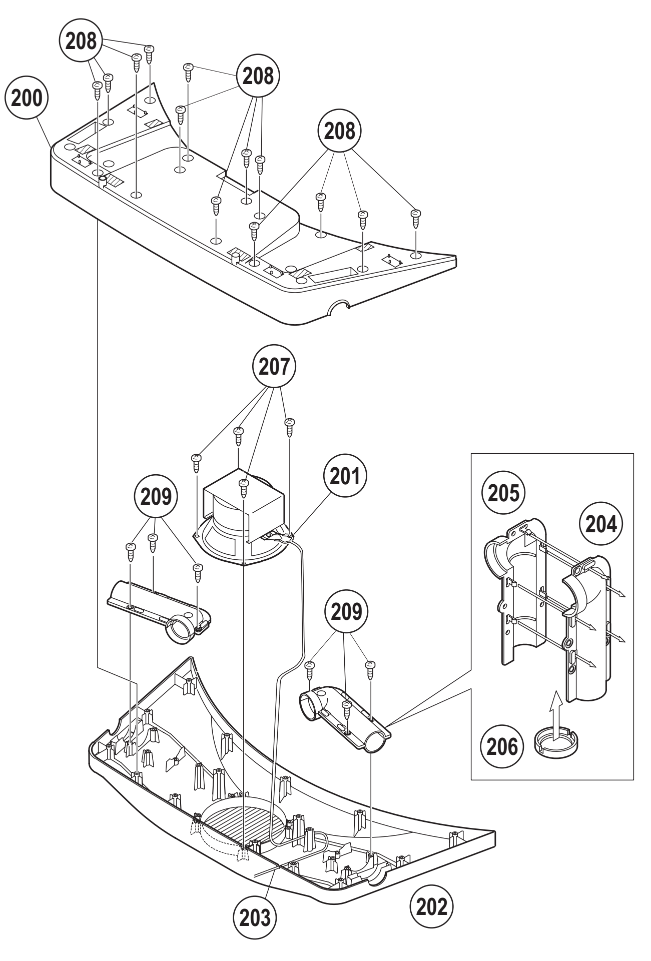
⚠	Ref.No.	Part No.	Part Name	Description	Local
	100	LC11360-006A-U	FRONT CABINET ASSY	Include 101-103	
	101	LC31201-003A-U	POWER KNOB		
	102	AEM3149-001-E	SPRING		
	103	LC21031-001C-U	SPEAKER PANEL		
	104	LC31851-001B-C	WINDOW		
	105	LC41250-002C-C	JVC MARK		
	200	LC11309-001B-U	SP BOX B		
	201	QAS0118-001	SPEAKER	SP04	
	202	LC11308-001B-U	SP BOX T		
	203	WJJ0340-002A	E-SI C WIRE C-C		
	204	AEM2250-002A-U	BASS INT.DUCT L	(x2)	
	205	AEM2250-001A-U	BASS INT.DUCT R	(x2)	
	206	LC31935-001A-C	PORT SPACER	(x2)	
	207	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x4)	
	208	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x13)	
	209	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x6)	

EXPLODED VIEW -1

FRONT VIEW



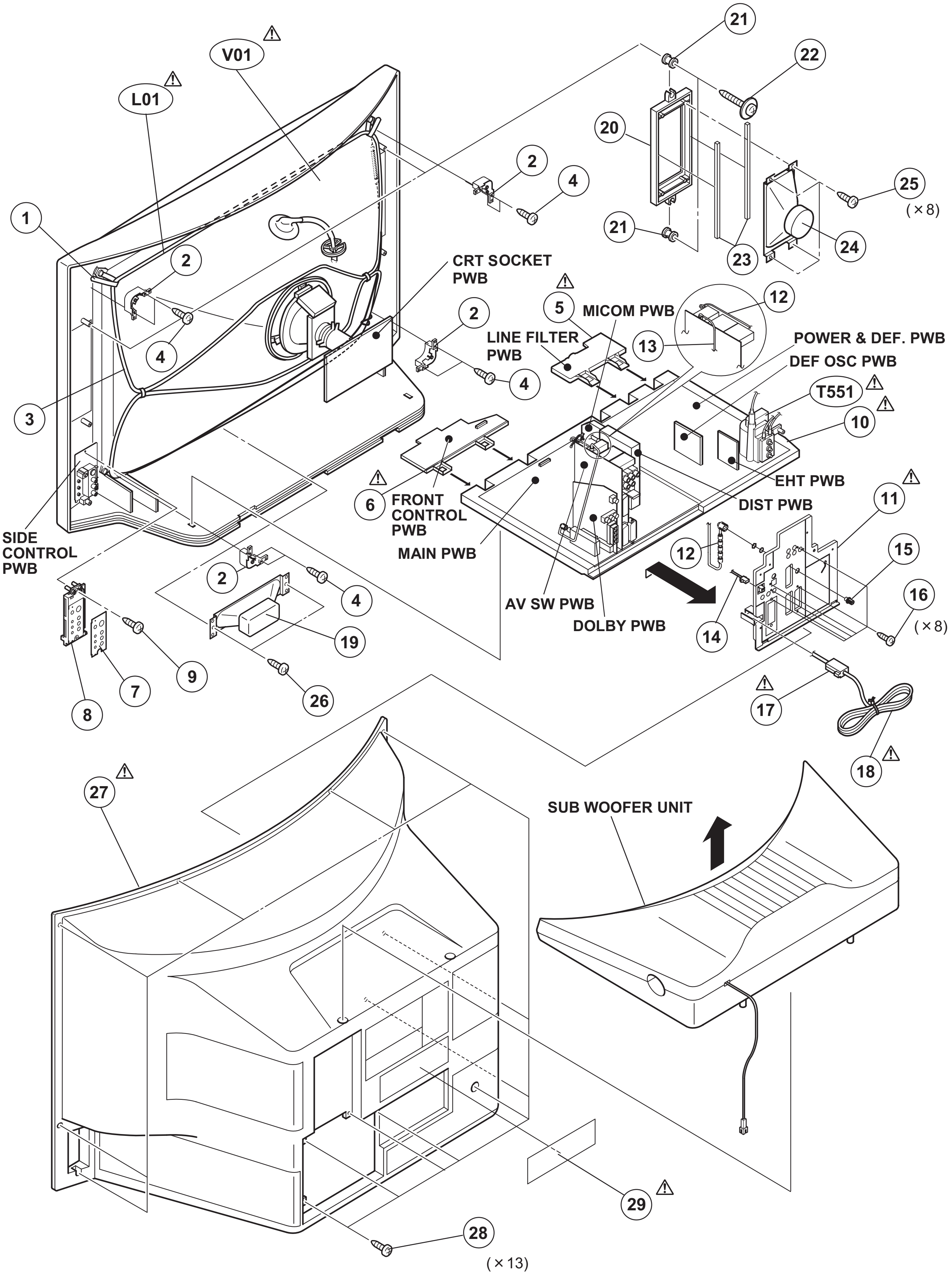
SUB WOOFER UNIT



EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	S76LUV350X96	PICTURE TUBE (ITC)	Included DY, PC MAGNET, WEDGE	
⚠	L01	QQW0165-001	DEG COIL	Included ROTATION, N/S COIL	
⚠	T551	QQH0149-001	FB TRANSF		
	1	WJY0013-003A	E-BRAIDED ASSY		
	2	LC20508-001D-U	ADAPTER	(x4)	
	3	WJY0001-010A	E-BRAIDED ASSY		
	4	QYSBSAG4016N	TAP SCREW	(x8)	
⚠	5	LC11498-001B-U	LF PCB BASE		
⚠	6	LC11311-002A-U	CONTROL BASE		
	7	LC31205-003A-U	CONTROL SHEET		
	8	LC10856-002A-U	SIDE CONT BASE		
	9	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm	
⚠	10	LC10716-004A-U	CHASSIS BASE		
⚠	11	LC11499-001B-U	AV BOARD		
	12	WJX0006-001A	E-COAXIAL ASSY		
	13	WJX0005-002A	E-COAXIAL ASSY		
	14	WJJ0339-002A	E-SI C WIRE C-C	WOOFER	
	15	QNB0112-001	ANT TERMINAL		
	16	QYSBSF3012M	TAP SCREW	3.0mm x 12mm(x8)	
⚠	17	CM46618-A01-E	POWER CORD CLAMP		
⚠	18	QMPK160-185-JC	POWER CORD(EU)	1.85m BLACK	EUW
⚠	18	QMPN130-185-JC	POWER CORD(EK)	1.85m BLACK	EJW
	19	QAS0110-001	SPEAKER	SP03	
	20	LC11310-001B-U	SPEAKER ADAPTER	(x2)	
	21	LC40226-003A-H	SPACER	(x4)	
	22	LC40506-001A	TAP SCREW	(x4)	
	23	AEM4111-001A-U	SPONGE	(x4)	
	24	QAS0128-001	SPEAKER	SP01/SP02(x2)	
	25	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x8)	
	26	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x2)	
⚠	27	LC11316-002B-U	REAR COVER		
	28	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x13)	
⚠	29	LC11548-003A-U	RATING RABEL		EUW
⚠	29	LC11364-018A-U	RATING LABEL		EJW

EXPLODED VIEW -2


V01
L01
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T551
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(×8)
(×13)
CRT SOCKET PWB
MICOM PWB
LINE FILTER PWB
POWER & DEF. PWB
DEF OSC PWB
EHT PWB
DIST PWB
FRONT CONTROL PWB
MAIN PWB
SIDE CONTROL PWB
AV SW PWB
DOLBY PWB
SUB WOOFER UNIT

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SMK-1001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC101	AN15851A-W	IC		
IC201	TA1318N	IC	TV Component SYNC	
IC202	TC7W08F-X	IC		
IC301	AN5394FB	IC		
IC331	CXA1875AM-X	IC		
IC401	TC74HC02AF-X	SOP IC		
IC402	TC74HC14AF-X	IC		
IC551	LA6515	IC		
IC571	LA6515	IC		
IC601	AN7585	IC		
IC602	AN7585	IC		
IC701	AT24C-32D25EUW	IC	(SERVICE)	
IC703	R1141Q331B-X	IC		
IC706	JLC1562BF-X	IC		
IC707	JLC1562BF-X	IC		
IC901	PQ12RF1	IC		
IC902	SI-8090S	IC		
IC903	SI-8050S	IC	SW Regulator	
IC904	SI-8033S/F1	IC		
IC905	PQ070XH02Z-W	IC		
IC906	AN78L18-T	IC		
IC907	AN78L05-T	IC		
IC908	PQ15RW11	IC		
Q001	2SC2412K/QR/-X	TRANSISTOR		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SC2412K/QR/-X	TRANSISTOR		
Q111	2SC2412K/QR/-X	TRANSISTOR		
Q112	2SC2412K/QR/-X	TRANSISTOR		
Q113	2SC2412K/QR/-X	TRANSISTOR		
Q351	2SA1037AK/QR/-X	TRANSISTOR		
Q352	2SC2412K/QR/-X	TRANSISTOR		
Q355	2SC2412K/QR/-X	TRANSISTOR		
Q356	2SC2412K/QR/-X	TRANSISTOR		
Q361	2SC3837K/NP/-X	TRANSISTOR		
Q362	2SC3837K/NP/-X	TRANSISTOR		
Q363	2SC3837K/NP/-X	TRANSISTOR		
Q364	2SC2412K/QR/-X	TRANSISTOR		
Q371	2SA1022/BC/-X	TRANSISTOR		
Q372	2SC3837K/NP/-X	TRANSISTOR		
Q381	2SA1022/BC/-X	TRANSISTOR		
Q382	2SC3837K/NP/-X	TRANSISTOR		
Q391	2SA1022/BC/-X	TRANSISTOR		
Q392	2SC3837K/NP/-X	TRANSISTOR		
Q402	2SC3837K/NP/-X	TRANSISTOR		
Q403	2SC2412K/QR/-X	TRANSISTOR		
Q561	2SA1037AK/QR/-X	TRANSISTOR		
Q562	2SC2412K/QR/-X	TRANSISTOR		
Q563	2SA1037AK/QR/-X	TRANSISTOR		
Q571	2SA1037AK/QR/-X	TRANSISTOR		
Q572	2SC2412K/QR/-X	TRANSISTOR		
Q601	2SA1037AK/QR/-X	TRANSISTOR		
Q602	DTC144EKA-X	DIGI TRANSISTOR		
Q603	DTC323TK-X	DIGI TRANSISTOR		
Q604	DTC144EKA-X	DIGI TRANSISTOR		
Q605	DTC144EKA-X	DIGI TRANSISTOR		
Q606	2SC2412K/QR/-X	TRANSISTOR		
Q608	DTC144EKA-X	DIGI TRANSISTOR		
Q609	2SC2412K/QR/-X	TRANSISTOR		
Q611	2SA1037AK/QR/-X	TRANSISTOR		
Q612	DTC323TK-X	DIGI TRANSISTOR		
Q613	DTC323TK-X	DIGI TRANSISTOR		
Q614	DTC323TK-X	DIGI TRANSISTOR		
Q615	DTC144EKA-X	DIGI TRANSISTOR		
Q616	2SC2412K/QR/-X	TRANSISTOR		
Q617	DTC144EKA-X	DIGI TRANSISTOR		
Q618	2SC2412K/QR/-X	TRANSISTOR		
Q620	2SA1037AK/QR/-X	TRANSISTOR		
Q623	DTC323TK-X	DIGI TRANSISTOR		
Q624	2SA1037AK/QR/-X	TRANSISTOR		
D361	MA111-X	SI DIODE		
D362	MA111-X	SI DIODE		
D371	MA111-X	SI DIODE		
D372	MA111-X	SI DIODE		
D381	MA111-X	SI DIODE		
D382	MA111-X	SI DIODE		
D391	MA111-X	SI DIODE		
D392	MA111-X	SI DIODE		
D401	MA8030/H/-X	Z DIODE		
D421	MA8150/M/-X	Z DIODE		
D422	MA111-X	SI DIODE		
D561	MA3068/M/-X	Z DIODE		
D562	MA111-X	SI DIODE		
D601	MA3330/L/-X	Z DIODE		
D602	MA3330/L/-X	Z DIODE		
D603	MA3330/L/-X	Z DIODE		
D604	MA111-X	SI DIODE		
D606	MA111-X	SI DIODE		
D607	MA111-X	SI DIODE		
D608	MA111-X	SI DIODE		
D609	MA111-X	SI DIODE		
D610	MA111-X	SI DIODE		
D611	MA3330/L/-X	Z DIODE		
D612	MA3330/L/-X	Z DIODE		
D613	MA3330/L/-X	Z DIODE		
D614	MA111-X	SI DIODE		
D615	MA111-X	SI DIODE		
D616	MA111-X	SI DIODE		
D617	MA111-X	SI DIODE		
D618	MA111-X	SI DIODE		
D619	MA111-X	SI DIODE		
D620	MA111-X	SI DIODE		
D621	MA111-X	SI DIODE		
D622	MA111-X	SI DIODE		
D623	MA111-X	SI DIODE		
D624	MA111-X	SI DIODE		
D625	MA111-X	SI DIODE		
D626	MA111-X	SI DIODE		
D627	MA111-X	SI DIODE		
D629	MA111-X	SI DIODE		
D771	MA3056/M/-X	Z DIODE		
D772	MA3056/M/-X	Z DIODE		
D773	MA3056/M/-X	Z DIODE		
D774	MA3056/M/-X	Z DIODE		
D901	1SR35-400A-T5	SI DIODE		
D902	RK34-LFC4	SB DIODE		
D903	SF5S4	SB DIODE		
D904	SF5S4	SB DIODE		
D905	PTZ6.8B-X	Z DIODE		
D906	MA111-X	SI DIODE		
D991	MA111-X	SI DIODE		
D992	MA111-X	SI DIODE		
D993	MA111-X	SI DIODE		
D994	MA111-X	SI DIODE		
D995	MA111-X	SI DIODE		
D996	MA111-X	SI DIODE		
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C005	QETN1AM-228Z	E CAPACITOR	2200uF 10V M	
C006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C007	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C010	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C013	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C014	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C107	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C108	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C110	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C111	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C112	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C113	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C117	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C118	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C119	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C123	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠ Ref No.	Part No.	Part Name	Description	Local
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C203	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C206	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C207	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C208	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C303	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C305	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C306	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C317	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C318	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C319	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C321	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C322	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C324	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C325	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C326	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C327	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C328	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C329	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C330	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C331	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C341	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C342	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C343	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C344	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C345	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C346	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C347	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C351	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C352	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C353	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C354	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C355	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C364	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C367	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C371	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C376	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C381	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C391	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C404	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C405	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C406	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C407	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C421	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C431	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C432	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C433	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C434	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C435	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C437	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C438	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C439	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C440	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C551	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C552	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C553	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C554	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C555	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C560	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C571	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C572	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C573	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C575	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C576	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C602	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C603	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C604	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C611	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C612	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C613	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C614	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C616	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C617	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C618	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C619	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C621	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C629	QETM1EM-338	E CAPACITOR	3300uF 25V M	
C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C631	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C633	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C634	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C635	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C643	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C644	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C645	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C646	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C647	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C648	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C651	QETN1HM-336Z	E CAPACITOR	33uF 50V M	
C653	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C654	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C705	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C711	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C715	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C901	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C902	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C903	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C905	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C906	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C907	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C909	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C911	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C912	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C914	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C916	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C917	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C918	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C919	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C920	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C921	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C922	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C923	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C924	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C927	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R002	NRSA63J-101X	MG RESISTOR	100W 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100W 1/16W J	
R004	NRSA63J-0R0X	MG RESISTOR	0W 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0W 1/16W J	
R006	NRSA63J-0R0X	MG RESISTOR	0W 1/16W J	
R007	NRSA63J-222X	MG RESISTOR	2.2kW 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kW 1/16W J	
R009	NRSA63J-102X	MG RESISTOR	1kW 1/16W J	
R012	NRSA63J-473X	MG RESISTOR	47kW 1/16W J	
R013	NRSA63J-473X	MG RESISTOR	47kW 1/16W J	
R101	NRSA63J-222X	MG RESISTOR	2.2kW 1/16W J	
R102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R123	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R205	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R209	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R215	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R306	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R308	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R309	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R311	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R314	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R315	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R316	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R321	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R322	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R324	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R325	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R326	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R327	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R328	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R337	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R338	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R339	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R342	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R343	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R344	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R345	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R347	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R348	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R349	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R350	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R351	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R352	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R353	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R354	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R355	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R356	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R357	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R361	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R362	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R363	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R364	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	
R365	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R366	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R367	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	
R368	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R369	NRVA63D-272X	CMF RESISTOR	2.7kΩ 1/16W D	
R370	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R371	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R372	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R373	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R375	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R376	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R381	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R382	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R383	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R385	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R386	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R391	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R392	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R393	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R395	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R396	NRVA63D-332X	CMF RESISTOR	3.3kΩ 1/16W D	
R401	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R402	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R408	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R410	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R411	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R412	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R413	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R415	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R416	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R417	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R418	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R421	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R551	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R552	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R553	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R554	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R555	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R556	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R557	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R558	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R559	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R560	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R561	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R563	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R564	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R565	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R566	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R567	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R568	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R571	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R572	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R573	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R574	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R575	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R576	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R577	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R578	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R579	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R580	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R581	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
R582	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R583	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R584	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R585	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R601	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R602	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R603	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R605	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R607	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R613	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R616	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R618	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R619	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R624	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R625	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R627	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R628	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R629	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R637	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R638	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R639	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R640	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R643	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R646	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R649	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R650	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R652	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R653	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R654	QRL039J-101	OMF RESISTOR	100Ω 3W J	
R655	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R657	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R661	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R662	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R663	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R664	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R665	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R667	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R668	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R669	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R702	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R703	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R704	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R711	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R720	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R726	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R729	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R739	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R743	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R745	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R746	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R749	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R753	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R772	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R773	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R774	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R775	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R776	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R902	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R903	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R904	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R906	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R907	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R908	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R910	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R911	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R912	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R914	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R915	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R916	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R917	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R918	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R920	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R921	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D	
R922	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L003	QQL244K-100Z	COIL	10uH K	
L201	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L431	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L432	QQL26AK-100Z	COIL	10uH K	
L433	QQL26AK-100Z	COIL	10uH K	
L902	QQR1129-003	CHOKE COIL		
L903	QQL50AK-330Z	COIL	33uH K	
L905	QQR1127-003	CHOKE COIL		
L906	QQL26AK-220Z	COIL	22uH K	
L907	QQL26AK-820Z	COIL	82uH K	
L908	QQR1127-003	CHOKE COIL		
L909	QQL50AK-100Z	COIL	10uH K	
CN001	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN002	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN004	QGB1232J1-50	CONNECTOR	B-B (1-50)	
CN005	QGC2507C1-96	CONNECTOR	(1-96)	
CN006	QGB1505J1-25	CONNECTOR	B-B (1-25)	
CN007	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN008	QGB1505J1-25	CONNECTOR	B-B (1-25)	
CN018	QGB1505J1-25	CONNECTOR	B-B (1-25)	
K901	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K902	CE42050-001Z	BEADS CORE		
K903	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K904	CE42050-001Z	BEADS CORE		
TU001	QAU0270-001	TUNER		
X201	CSB503F30	C RESONATOR		

POWER & DEF P.W. BOARD ASS'Y (SMK-2001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC401	LA7876NZ	IC		
IC901	STR-F6668B-F7	IC		
IC951	SE-B3-LF12	IC		
Q401	2SC1740S/QR/-T	TRANSISTOR		
Q402	2SC1740S/QR/-T	TRANSISTOR		
Q461	2SC1959/Y/-T	TRANSISTOR		
Q462	2SA562TM/Y/-T	TRANSISTOR		
Q463	2SK2417	POWER MOS FET		
Q464	2SC1740S/QR/-T	TRANSISTOR		
Q501	2SC1740S/QR/-T	TRANSISTOR		
Q502	2SC1627A/Y/-T	TRANSISTOR		
Q521	2SB953/QP/-LB	POW TRANSISTOR		
⚠ Q522	2SC5904-RL	POW TRANSISTOR		
Q523	2SC1740S/QR/-T	TRANSISTOR		
Q551	2SK2771-01R-F1	POWER MOS FET		
Q553	2SC1959/Y/-T	TRANSISTOR		
Q554	2SA562TM/Y/-T	TRANSISTOR		
Q941	2SC1740S/QR/-T	TRANSISTOR		
Q942	2SA933AS/QR/-T	TRANSISTOR		
Q943	2SC1740S/QR/-T	TRANSISTOR		
Q951	2SA1371/EF/Z1-T	SI TRANSISTOR		
Q952	2SC1740S/QR/-T	TRANSISTOR		
Q953	2SC1627A/Y/-T	TRANSISTOR		
Q954	DTC124ESA-T	DIGI TRANSISTOR		
D401	RD100E/B/-T2	Z DIODE		
D402	1SR35-400A-T2	SI DIODE		
D403	1SR35-400A-T2	SI DIODE		
D404	1SS133-T2	SI DIODE		
D405	1SS133-T2	SI DIODE		
D406	MTZJ9.1B-T2	Z DIODE		
D407	MTZJ6.8C-T2	Z DIODE		
D461	EU2A-T3	SI DIODE		
D501	1SS133-T2	SI DIODE		
D521	RK14-T3	SB DIODE		
D522	V11CA-C1	SI DIODE		
D523	FMV-3FU-F1	SI DIODE		
D524	RG2A-LFC4	SI DIODE		
D525	1SS81-T5	SI DIODE		
D526	MTZJ12C-T2	Z DIODE		
D527	MTZJ15B-T2	Z DIODE		
D528	MTZJ15B-T2	Z DIODE		
D550	RU4DS-F1	SI DIODE		
D551	1SR124-400A-T2	SI DIODE		
D555	RU1P-T3	SI DIODE		
D556	1SR35-400A-T2	SI DIODE		
D557	MTZJ9.1B-T2	Z DIODE		
D701	RH1S-T3	SI DIODE		
D702	RGP10J-5025-T3	SI DIODE		
D703	RGP10J-5025-T3	SI DIODE		
D901	D3SB60	BRIDGE DIODE		
D902	RG1C-LFA1	SI DIODE		
D904	EU2A-T2	SI DIODE		
D905	EU2A-T2	SI DIODE		
D906	MTZJ27B-T2	Z DIODE		
D907	1SS133-T2	SI DIODE		
D908	MTZJ15B-T2	Z DIODE		
D911	1SS133-T2	SI DIODE		
D942	1SS133-T2	SI DIODE		
D944	1SS133-T2	SI DIODE		
D951	RU4B-F1	SI DIODE		
D952	RU4B-F1	SI DIODE		
D953	EU2-T3	SI DIODE		
D954	FMX-G12S	SI DIODE		
D955	RU3YX-LFC4	SI DIODE		
D956	FMX-G12S	SI DIODE		
D957	RU3YX-LFC4	SI DIODE		
D958	1SS133-T2	SI DIODE		
D959	MTZJ33B-T2	Z DIODE		
D960	MTZJ15B-T2	Z DIODE		
D961	1SS133-T2	SI DIODE		
D962	1SS133-T2	SI DIODE		
D963	1SS133-T2	SI DIODE		
D964	MTZJ5.1B-T2	Z DIODE		
D965	1SS133-T2	SI DIODE		
D966	1SS133-T2	SI DIODE		
D968	1SS133-T2	SI DIODE		
D969	1SS133-T2	SI DIODE		
C401	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C402	QFLC1HJ-392Z	M CAPACITOR	3900pF 50V J	
C403	QCS32HJ-180Z	C CAPACITOR	18pF 500V J	
C404	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C406	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
C407	QEHC1VM-107Z	E CAPACITOR	100uF 35V M	
C408	QEHC1VM-107Z	E CAPACITOR	100uF 35V M	
C409	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C412	QCB31HK-222Z	C CAPACITOR	2200pF 50V K	
C413	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C464	QFLC2AJ-472Z	M CAPACITOR	4700pF 100V J	
C501	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C502	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C503	QEM61HK-225Z	E CAPACITOR	2.2uF 50V K	
C504	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C505	QCB32HK-391Z	C CAPACITOR	390pF 500V K	
C521	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	
⚠ C522	QFZ0122-512	MPP CAPACITOR	5100pF 1.8kV H	
⚠ C523	QFZ0122-622	MPP CAPACITOR	6200pF 1.8kV H	
⚠ C524	QFP32JJ-153	PP CAPACITOR	0.015uF 630V J	
C525	QFZ0197-335	MPP CAPACITOR	3.3uF 250V J	
C526	QFZ0128-823	MPP CAPACITOR	0.082uF DC400V H	
C527	QFZ0128-823	MPP CAPACITOR	0.082uF DC400V H	
C528	QFZ0197-104	MPP CAPACITOR	0.1uF 250V J	
C529	QCS32HJ-561	C CAPACITOR	560pF 500V J	
C530	QCZ0122-681	C CAPACITOR	680pF 2kV K	
C531	QCZ0122-681	C CAPACITOR	680pF 2kV K	
C532	QFLC2AJ-682Z	M CAPACITOR	6800pF 100V J	
C533	QCB31HK-682Z	C CAPACITOR	6800pF 50V K	
C534	QCS31HJ-470Z	C CAPACITOR	47pF 50V J	
C535	QFP42JJ-682	PP CAPACITOR	6800pF 630V J	
C536	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C551	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C552	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C554	QFZ0122-242	MPP CAPACITOR	2400pF 1.8kV H	
C556	QEZ0568-107	E CAPACITOR	100uF	
C557	QTMN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C558	QFVF1HJ-824Z	MF CAPACITOR	0.82uF 50V J	
C559	QTMN1HM-105Z	E CAPACITOR	1uF 50V M	
C560	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C561	QTMN1HM-105Z	E CAPACITOR	1uF 50V M	
C701	QEZ0568-107	E CAPACITOR	100uF	
C702	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C703	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C704	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C705	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
⚠ C903	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C904	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C905	QCZ9054-472	C CAPACITOR	4700pF	
C906	QEZ0371-337	E CAPACITOR	330uF	
C907	QCB32HK-103	C CAPACITOR	0.01uF 500V K	
C908	QCZ0122-391	C CAPACITOR	390pF 2kV K	
C909	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C910	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C911	QCZ0122-561	C CAPACITOR	560pF 2kV K	
C912	QCB31HK-152Z	C CAPACITOR	1500pF 50V K	
C914	QCB31HK-471Z	C CAPACITOR	470pF 50V K	
⚠ C916	QFZ9075-473	MPP CAPACITOR	0.047uF	
C943	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C951	QCZ0325-821	C CAPACITOR	820pF	
C952	QEZ0568-107	E CAPACITOR	100uF	
C953	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C954	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C956	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C957	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C958	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C959	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C960	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C961	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C962	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C963	QFVF1HJ-684Z	MF CAPACITOR	0.68uF 50V J	
C964	QCB31HK-271Z	C CAPACITOR	270pF 50V K	
C966	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C967	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C968	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C969	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C970	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
⚠ C999	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
R401	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R402	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R403	QRA14CF-1002Y	CMF RESISTOR	10kΩ 1/4W F	
R404	QRE121J-180Y	C RESISTOR	18Ω 1/2W J	
R405	QRA14CF-6801Y	CMF RESISTOR	6.8kΩ 1/4W F	
R406	QRA14CF-6801Y	CMF RESISTOR	6.8kΩ 1/4W F	
R407	QRA14CF-3301Y	CMF RESISTOR	3.3kΩ 1/4W F	
R408	QRA14CF-8200Y	CMF RESISTOR	820Ω 1/4W F	
R409	QRA14CF-8200Y	CMF RESISTOR	820Ω 1/4W F	
R410	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R411	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	
R412	QRE121J-8R2Y	C RESISTOR	8.2Ω 1/2W J	
R414	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R415	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R416	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R417	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R418	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R419	QRE141J-154Y	C RESISTOR	150kΩ 1/4W J	
R461	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R462	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	
R463	QRL029J-333	OMF RESISTOR	33kΩ 2W J	
R464	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R465	QRL029J-102	OMF RESISTOR	1kΩ 2W J	
R466	QRL029J-820	OMF RESISTOR	82Ω 2W J	
R467	QRL029J-820	OMF RESISTOR	82Ω 2W J	
R468	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R469	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R470	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R501	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R502	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R503	QRE141J-820Y	C RESISTOR	82Ω 1/4W J	
R504	QRL039J-820	OMF RESISTOR	82Ω 3W J	
R505	QRL039J-101	OMF RESISTOR	100Ω 3W J	
R506	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R521	QRX029J-1R0	MF RESISTOR	1Ω 2W J	
R522	QRE121J-470Y	C RESISTOR	47Ω 1/2W J	
R523	QRL029J-100	OMF RESISTOR	10Ω 2W J	
R524	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R525	QRL029J-821	OMF RESISTOR	820Ω 2W J	
R526	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R527	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R528	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	
R529	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	
R530	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R531	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R532	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R533	QRF054J-470	UNF WW RESISTOR	47Ω 5W J	
R535	QRE141J-330Y	C RESISTOR	33Ω 1/4W J	
R537	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
⚠ R551	QRZ9017-4R7	FUSI RESISTOR	4.7Ω	
⚠ R552	QRA14CF-1502Y	CMF RESISTOR	15kΩ 1/4W F	
R555	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	
R557	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R558	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R564	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
R565	QRA14CF-1803Y	CMF RESISTOR	180kΩ 1/4W F	
R566	QRA14CF-2703Y	CMF RESISTOR	270kΩ 1/4W F	
R567	QRA14CF-2203Y	CMF RESISTOR	220kΩ 1/4W F	
R568	QRA14CF-5601Y	CMF RESISTOR	5.6kΩ 1/4W F	
⚠ R701	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J	
⚠ R702	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
⚠ R703	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
R704	QRG01GJ-220	OMF RESISTOR	22Ω 1W J	
R705	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	
R706	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J	
R901	QRF154K-4R7	UNF WW RESISTOR	4.7Ω 15W K	
R902	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R903	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R905	QRL039J-823	OMF RESISTOR	82kΩ 3W J	
R906	QRL039J-823	OMF RESISTOR	82kΩ 3W J	
R907	QRL039J-683	OMF RESISTOR	68kΩ 3W J	
⚠ R908	QRZ9017-2R2	FUSI RESISTOR	2.2Ω	
R909	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	
R911	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R912	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R913	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R914	QRT029J-R39	MF RESISTOR	0.39Ω 2W J	
R915	QRE121J-331Y	C RESISTOR	330Ω 1/2W J	
R944	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R945	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R946	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R947	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R951	QRL039J-681	OMF RESISTOR	680Ω 3W J	
R952	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J	
R953	QRA14CD-5602Y	CMF RESISTOR	56kΩ 1/4W D	
R954	QRA14CD-5602Y	CMF RESISTOR	56kΩ 1/4W D	
R955	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	
R956	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	
R958	QRL029J-561	OMF RESISTOR	560Ω 2W J	
R959	QRX029J-1R2	MF RESISTOR	1.2Ω 2W J	
R960	QRX029J-1R0	MF RESISTOR	1Ω 2W J	
R962	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	
R963	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R964	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R965	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R966	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R967	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R968	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R969	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R971	QRG01GJ-181	OMF RESISTOR	180Ω 1W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R972	QRE141J-0R0Y	C RESISTOR	0Ω 1/4W J	
R974	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R975	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	
R976	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R977	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
⚠ R999	QRZ9046-825Z	C RESISTOR	8.2MΩ	
L461	QQLZ030-801	COIL	800uH 2A K	
L521	QQL26AM-2R7Z	COIL	2.7uH M	
L522	QQL26AM-3R3Z	COIL	3.3uH M	
L523	QQR1230-001	CHOKE COIL		
L524	QQR1285-001	CHOKE COIL		
L525	QQR0915-002	LINEARITY COIL		
L553	QQLZ026-240	COIL	24uH ±7%	
L701	QQLZ028-272	COIL	2.7mH	
L903	QQR1200-003	CHOKE COIL		
L942	QQL26AK-220Z	COIL	22uH K	
L951	QQLZ026-460	COIL	46uH ±7%	
L952	QQL26AK-220Z	COIL	22uH K	
L953	QQLZ026-240	COIL	24uH ±7%	
T501	QQR1269-001	DRIVE TRANSF		
⚠ T551	QQH0149-001	FB TRANSF		
⚠ T701	QQR1365-001	DAF TRANSF		
⚠ T901	QQS0183-001	SW TRANSF		
⚠ PC901	PC123FY2	IC(PHOTO COUPLER)		
CN001	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN002	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN003	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN009	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN010	QGB1505J1-15	CONNECTOR	B-B (1-15)	
⚠ CP951	QMFZ034-4R0Z-J1	FUSE	4A 125V	
⚠ CP952	ICP-N75-Y	IC PROTECTOR	2.7A	
⚠ CP953	ICP-N38-Y	IC PROTECTOR	1.5A	
K401	QQR0621-002Z	FERRITE BEADS		
K521	QQR0679-001	FERRITE BEADS		
K522	QQR0679-001	FERRITE BEADS		
K551	QQR0679-001	FERRITE BEADS		
K901	QQR0679-001	FERRITE BEADS		
K955	QQR0621-002Z	FERRITE BEADS		
⚠ RY951	QSK0099-001	RELAY		
⚠ RY952	QSK0099-001	RELAY		
⚠ SG551	QAF0046-242Z	SURGE ABSORBER	2400V	
TH901	QAD0133-9R0	P THERMISTOR	9Ω	

CRT SOCKET P.W. BOARD ASS’Y (SMK-3001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC3101	TDA6120Q/N2	IC	Video Out Amp	
IC3201	TDA6120Q/N2	IC	Video Out Amp	
IC3301	TDA6120Q/N2	IC	Video Out Amp	
Q3701	2SC1906-T	TRANSISTOR		
Q3702	2SA1005/MLK/-T	TRANSISTOR		
Q3703	2SC1959/Y/-T	TRANSISTOR		
Q3704	2SA562TM/Y/-T	TRANSISTOR		
Q3705	2SJ584LS-CB11	POWER MOS FET		
Q3706	2SK2417	POWER MOS FET		
D3009	RM2C-LFA1	SI DIODE		
D3101	1SS244-T2	SI DIODE		
D3102	1SR124-400A-T2	SI DIODE		
D3103	MA8100/M/-X	Z DIODE		
D3105	1SS244-T2	SI DIODE		
D3106	1SS244-T2	SI DIODE		
D3201	1SS244-T2	SI DIODE		
D3202	1SR124-400A-T2	SI DIODE		
D3203	MA8100/M/-X	Z DIODE		
D3205	1SS244-T2	SI DIODE		
D3206	1SS244-T2	SI DIODE		
D3207	MA8100/M/-X	Z DIODE		
D3301	1SS244-T2	SI DIODE		
D3302	1SR124-400A-T2	SI DIODE		
D3303	MA8100/M/-X	Z DIODE		
D3305	1SS244-T2	SI DIODE		
D3306	1SS244-T2	SI DIODE		
D3701	1SS355-X	SI DIODE		
D3702	RH1S-T3	SI DIODE		
D3703	RH1S-T3	SI DIODE		
C3001	QETM2EM-476	E CAPACITOR	47uF 250V M	
C3002	QETM2EM-476	E CAPACITOR	47uF 250V M	
C3004	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
⚠ C3009	QFZ9027-103	MM CAPACITOR	0.01uF 1000V K	
C3011	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3101	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3103	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3105	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3106	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3110	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3112	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3113	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3114	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3115	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3201	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3202	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3203	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3205	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3206	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3210	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3212	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3213	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3214	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3215	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3302	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3303	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3305	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3306	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3310	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3312	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3313	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3314	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3315	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3703	NCF21HZ-104X	C CAPACITOR	0.1uF 50V Z	
C3704	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3707	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3708	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3709	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3710	QETN2CM-226Z	E CAPACITOR	22uF 160V M	
C3711	QETN2CM-226Z	E CAPACITOR	22uF 160V M	
C3712	QFLC1HJ-222Z	M CAPACITOR	2200pF 50V J	
C3713	QFLC1HJ-222Z	M CAPACITOR	2200pF 50V J	
C3716	QCS32HJ-330Z	C CAPACITOR	33pF 500V J	
C3717	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3718	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3719	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3720	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
R3009	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R3010	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	
R3011	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R3012	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R3028	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3029	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R3040	QVP0038-206	TRIM RESISTOR	20MΩ	
R3101	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3102	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3103	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3104	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R3105	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3107	QRC121K-271Z	COMP RESISTOR	270Ω 1/2W K	
R3110	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3112	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3201	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3202	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3203	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3204	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R3205	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3206	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3207	QRC121K-271Z	COMP RESISTOR	270Ω 1/2W K	
R3210	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3212	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3301	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3302	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3303	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3304	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R3305	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3307	QRC121K-271Z	COMP RESISTOR	270Ω 1/2W K	
R3310	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R3312	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3702	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3704	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3705	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R3706	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3707	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3710	QRJ146J-182X	UNF C RESISTOR	1.8kΩ 1/4W J	
R3711	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R3712	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
⚠ R3713	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
R3714	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R3715	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R3716	QRT029J-8R2	MF RESISTOR	8.2Ω 2W J	
R3719	QRG01GJ-180	OMF RESISTOR	18Ω 1W J	
R3720	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R3721	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R3722	QRL039J-100	OMF RESISTOR	10Ω 3W J	
R3723	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R3724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3725	QRL039J-220	OMF RESISTOR	22Ω 3W J	
L3001	QQL26AJ-102Z	COIL	1mH J	
L3002	QQL26AJ-102Z	COIL	1mH J	
L3003	QQL26AJ-102Z	COIL	1mH J	
L3004	QQL26AJ-102Z	COIL	1mH J	
L3011	QQR0621-002Z	FERRITE BEADS		
L3012	QQR0621-002Z	FERRITE BEADS		
L3101	QQL244K-3R3Z	COIL	3.3uH K	
L3201	QQL244K-3R3Z	COIL	3.3uH K	
L3301	QQL244K-3R3Z	COIL	3.3uH K	
⚠ FR3101	QRZ9009-101	FUSI RESISTOR	100Ω 1/2W J	
⚠ FR3201	QRZ9009-101	FUSI RESISTOR	100Ω 1/2W J	
⚠ FR3301	QRZ9009-101	FUSI RESISTOR	100Ω 1/2W J	
K3701	CE41492-001Z	CHOKE COIL		
K3702	CE42050-001Z	BEADS CORE		
SG3101	QAF0056-501Z	SURGE ABSORBER	500V M	
SG3201	QAF0056-501Z	SURGE ABSORBER	500V M	
SG3301	QAF0056-501Z	SURGE ABSORBER	500V M	
⚠ SK3001	QNZ0464-001	CRT SOCKET		

FRONT CONTROL P.W. BOARD ASS'Y(SMK-8001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC8851	GP1U281Q	IR DETECT UNIT	38kHz	
Q8801	DTA124EKA-X	DIGI TRANSISTOR		
Q8802	DTA124EKA-X	DIGI TRANSISTOR		
Q8803	DTC124EKA-X	DIGI TRANSISTOR		
D8801	SPR-39MVWF	LED	POWER(RED-GREEN)	
D8811	MA111-X	SI DIODE		
D8851	MA3068/M/-X	Z DIODE		
C8851	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8852	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠ C8901	QFZ9075-474	MPP CAPACITOR	0.47uF	
R8801	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8802	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R8851	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
⚠ F8901	QMF51D2-3R15J1	FUSE	3.15A AC250V	
⚠ LF8901	QQR1095-001	LINE FILTER		
⚠ S8901	QSW0824-001	PUSH SWITCH	MAIN POWER	
FC8901	CEMG002-001Z	FUSE CLIP		
FC8902	CEMG002-001Z	FUSE CLIP		
OT0001	LC30349-001A-H	LED HOLDER		

SIDE CONTROL P.W. BOARD ASS'Y (SMK-8101A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
D8001	MA3039/H/-X	Z DIODE		
C8001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8003	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C8310	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8311	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R8001	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R8002	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R8010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8012	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
L8001	QQR0716-001Z	FERRITE BEADS		
L8002	QQL244K-5R6Z	COIL	5.6uH K	
L8003	QQL244K-5R6Z	COIL	5.6uH K	
L8310	QQL244K-270Z	COIL	27uH K	
L8311	QQL244K-270Z	COIL	27uH K	
L8312	QQR0716-001Z	FERRITE BEADS		
J8001	QMS3001-C01	3.5 JACK	HEADPHONE	
J8303	QNZ0438-001	AV JACK	EXT-4	
S8001	QSW0619-003Z	TACT SWITCH	CH UP	
S8002	QSW0619-003Z	TACT SWITCH	MENU	
S8003	QSW0619-003Z	TACT SWITCH	CH DOWN	

LINE FILTER P.W. BOARD ASS'Y (SMK-9001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
⚠ IC9931	QAL0425-001	POWER MODULE		
IC9932	MM1565AF-X	IC	5.0V Regulator	
D9931	S1WB/A/60-4101	BRIDGE DIODE		
D9941	MA111-X	SI DIODE		
⚠ C9901	QFZ9075-104	MPP CAPACITOR	0.1uF	
⚠ C9902	QFZ9075-473	MPP CAPACITOR	0.047uF	
⚠ C9931	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C9932	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C9933	QCZ9054-472	C CAPACITOR	4700pF	
C9934	QETM2GM-226	E CAPACITOR	22uF 400V M	
C9941	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C9942	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C9943	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9944	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9945	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
⚠ C9991	QCZ9079-471	C CAPACITOR	470pF AC250V K	
R9931	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω	
R9941	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	
R9942	QRE121J-1R5Y	C RESISTOR	1.5Ω 1/2W J	
R9943	QRE121J-1R8Y	C RESISTOR	1.8Ω 1/2W J	
L9941	QQL26AM-4R7Z	COIL	4.7uH M	
⚠ LF9901	QQR1095-003	LINE FILTER		

DOLBY P.W. BOARD ASS'Y (SMK-0D001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC101	TC9446F-014	IC		
IC102	TC4066BF/N/-XE	IC		
IC105	AK4527BVQP	IC		
IC107	TA48M033F-X	IC	3.3V Regulator	
IC108	TC7SET32F-X	IC(DIGITAL)		
IC109	UPD784216AGC180	IC(MCU)		
IC110	S-80828CNNB-W	IC		
IC111	TA48M033F-X	IC	3.3V Regulator	
IC112	IS63LV1024-15T	IC		
IC113	TC7WHU04FU-X	IC	INVERTER	
IC201	BA4558F-X	IC		
IC202	BA4558F-X	IC		
IC203	BA4558F-X	IC		
IC301	BA4558F-X	IC		
IC302	BA4558F-X	IC		
IC303	BA4558F-X	IC		
IC401	TC4066BF/N/-XE	IC		
IC402	NJM5532M-D-XE	IC		
IC403	NJM5532M-D-XE	IC		
IC404	BA4558F-X	IC		
IC601	BD3869AF-X	IC		
IC631	BD3869AF-X	IC		
IC651	BD3869AF-X	IC		

⚠ Ref No.	Part No.	Part Name	Description	Local
IC701	TC4066BF/N/-XE	IC		
IC702	TC4066BF/N/-XE	IC		
IC703	BA4558F-X	IC		
IC704	BA4558F-X	IC		
Q101	DTA124EKA-X	DIGI TRANSISTOR		
Q102	DTC124EKA-X	DIGI TRANSISTOR		
Q103	DTC124EKA-X	DIGI TRANSISTOR		
Q401	DTC124EKA-X	DIGI TRANSISTOR		
Q402	DTC124EKA-X	DIGI TRANSISTOR		
Q403	DTC144EKA-X	DIGI TRANSISTOR		
Q404	DTC144EKA-X	DIGI TRANSISTOR		
Q405	DTC144EKA-X	DIGI TRANSISTOR		
Q501	DTC124EKA-X	DIGI TRANSISTOR		
Q502	DTC124EKA-X	DIGI TRANSISTOR		
Q701	DTC124EKA-X	DIGI TRANSISTOR		
Q702	DTC323TK-X	DIGI TRANSISTOR		
Q703	DTC323TK-X	DIGI TRANSISTOR		
Q704	DTC323TK-X	DIGI TRANSISTOR		
Q705	2SA1037AK/QR/-X	TRANSISTOR		
Q706	2SA1037AK/QR/-X	TRANSISTOR		
Q707	DTC323TK-X	DIGI TRANSISTOR		
Q708	DTC323TK-X	DIGI TRANSISTOR		
Q709	2SA1037AK/QR/-X	TRANSISTOR		
Q710	DTC323TK-X	DIGI TRANSISTOR		
Q711	DTC144EKA-X	DIGI TRANSISTOR		
Q712	DTC144EKA-X	DIGI TRANSISTOR		
Q713	DTC144EKA-X	DIGI TRANSISTOR		
D101	MA111-X	SI DIODE		
D102	MA111-X	SI DIODE		
D103	MA111-X	SI DIODE		
D104	MA111-X	SI DIODE		
D201	MA3091/M/-X	Z DIODE		
D301	MA3091/M/-X	Z DIODE		
D401	MA3091/M/-X	Z DIODE		
D402	MA111-X	SI DIODE		
D701	MA3150/M/-X	Z DIODE		
D702	MA3150/M/-X	Z DIODE		
D703	MA111-X	SI DIODE		
D704	MA111-X	SI DIODE		
D705	MA111-X	SI DIODE		
D706	MA111-X	SI DIODE		
D707	MA3150/M/-X	Z DIODE		
D708	MA111-X	SI DIODE		
C101	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C102	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C105	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C107	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C113	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C114	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C117	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C118	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C119	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C121	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C122	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C123	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C124	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C125	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C129	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C130	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C132	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C133	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C134	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C137	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C139	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C140	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C141	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C142	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C143	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C145	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C146	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C149	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C150	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C201	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C202	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C203	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C204	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C207	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C208	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C209	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C210	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C211	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C213	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C214	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C215	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C216	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C218	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C219	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C220	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C221	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C223	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C224	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C225	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C226	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C227	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C228	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C229	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C230	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C301	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C303	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C304	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C305	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C306	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C307	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C308	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C309	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C310	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C311	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C312	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C313	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C314	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C315	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C316	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C317	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C318	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C319	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C403	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C405	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C406	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C407	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C408	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C409	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C410	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C412	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C413	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C414	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C415	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C417	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C440	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C441	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C442	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C443	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C444	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C551	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C552	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C553	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C554	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C555	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C556	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C559	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C601	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C604	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C606	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C607	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C608	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C612	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C613	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C631	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C632	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C633	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
C634	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C637	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C638	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C651	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C652	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C653	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C654	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C655	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C656	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C657	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C660	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C701	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C702	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C703	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C704	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C705	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C706	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C707	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C708	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C709	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C710	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C711	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C714	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C715	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C716	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C717	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C719	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C720	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C724	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C725	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C726	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C727	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C729	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C730	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C731	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C732	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C733	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C734	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C735	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C736	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C737	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
R101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R102	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R106	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R107	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R111	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R112	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R117	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R118	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R122	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R125	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R126	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R127	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R128	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R129	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R130	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R131	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R133	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R134	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R135	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R136	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R137	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R138	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R139	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R140	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R141	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R144	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R145	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R148	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R149	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R162	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R164	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R201	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R202	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R203	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R206	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R207	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R209	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R210	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R211	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R215	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R216	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R217	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R218	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R220	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R224	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R304	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R305	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R306	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R311	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R312	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R314	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R316	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R317	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R318	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R319	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R320	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R322	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R324	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R325	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R326	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R327	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R328	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R330	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R331	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R402	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R409	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R411	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R413	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R416	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R417	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R418	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R419	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R420	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R421	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R422	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R423	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R424	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R425	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R426	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R427	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R428	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R430	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R431	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R432	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R433	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R437	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R438	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R439	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R440	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R441	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R442	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R502	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R601	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R602	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R603	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R604	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R605	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R606	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R631	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R632	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R633	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R634	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R651	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R652	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R653	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R654	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R655	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R656	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R657	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R702	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R706	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R707	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R709	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R710	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R711	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R713	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R714	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R715	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R716	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R717	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R718	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R720	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R722	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R723	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R724	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R726	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R727	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R728	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R729	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R730	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R731	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R732	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R733	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R734	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R737	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R739	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R740	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R741	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R743	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R744	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R745	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R746	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R748	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R749	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R750	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R751	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R752	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R753	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
L101	NQL085J-4R7X	COIL	4.7uH J	
L551	NQL085J-4R7X	COIL	4.7uH J	
L552	NQL034K-4R7X	COIL	4.7uH K	
L701	NQL085J-100X	COIL	10uH J	
L702	NQL085J-100X	COIL	10uH J	
L703	NQL085J-100X	COIL	10uH J	
CN008	QGB1505K1-25	CONNECTOR	B-B (1-25)	
CN018	QGB1505K1-25	CONNECTOR	B-B (1-25)	
J001	QNN0281-004	PIN JACK	DIGITAL AUDIO IN	
J002	QNZ0523-001	OPT CONNECTOR	DIGITAL AUDIO IN	
J003	QNN0427-001	PIN JACK	AUDIO OUT	
J004	QNB0006-002	PUSH TERMINAL	SURROUND REAR	
LC101	NQR0313-009X	EMI FILTER		
LC102	NQR0313-009X	EMI FILTER		
LC103	NQR0313-009X	EMI FILTER		
LC105	NQR0313-009X	EMI FILTER		
LC106	NQR0313-009X	EMI FILTER		
LC107	NQR0313-009X	EMI FILTER		
LC108	NQR0313-009X	EMI FILTER		
LC109	NQR0313-009X	EMI FILTER		
LC111	NQR0313-009X	EMI FILTER		
X101	NAX0385-001X	CRYSTAL	24.576MHz	
X102	NAX0473-001X	C RESONATOR	6.144MHz	

EHT P.W. BOARD ASS'Y (SMK-0E001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC2501	TLC555ID-X	IC		
IC2502	BA15218F-XE	IC		
IC2503	BA10339F-X	IC		
Q2501	2SC2412K/QR/-X	TRANSISTOR		
Q2502	2SA1037AK/QR/-X	TRANSISTOR		
Q2503	2SA1037AK/QR/-X	TRANSISTOR		
Q2504	2SC2412K/QR/-X	TRANSISTOR		
Q2505	2SC2412K/QR/-X	TRANSISTOR		
D2501	MA3120/M/-X	Z DIODE		
D2502	MA3056/M/-X	Z DIODE		
D2503	MA111-X	SI DIODE		
D2504	MA111-X	SI DIODE		
D2505	MA111-X	SI DIODE		
D2506	MA111-X	SI DIODE		
D2507	MA111-X	SI DIODE		
D2508	MA111-X	SI DIODE		
D2509	MA111-X	SI DIODE		
D2510	MA111-X	SI DIODE		
D2511	MA3150/M/-X	Z DIODE		
D2512	MA111-X	SI DIODE		
C2501	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C2502	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C2503	NDC21HJ-681X	C CAPACITOR	680pF 50V J	
C2505	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C2506	NCB21HK-272X	C CAPACITOR	2700pF 50V K	
C2507	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
C2508	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
C2509	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C2512	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
C2513	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2514	QENC1CM-476Z	BP E CAPACITOR	47uF 16V M	
C2515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2517	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2518	NDC21HJ-151X	C CAPACITOR	150pF 50V J	
R2501	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2503	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2504	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2506	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R2507	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R2508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2509	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2510	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2511	NRSA63D-912X	MG RESISTOR	9.1kΩ 1/16W D	
R2512	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2513	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2514	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2515	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2516	NRSA63D-912X	MG RESISTOR	9.1kΩ 1/16W D	
R2517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2518	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2519	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2520	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2521	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2522	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2523	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2524	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2525	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2526	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2527	NRVA63D-224X	CMF RESISTOR	220kΩ 1/16W D	
R2528	QVP0086-204Z	TRIM RESISTOR	200kΩ	

⚠ Ref No.	Part No.	Part Name	Description	Local
R2529	NRVA63D-224X	CMF RESISTOR	220kΩ 1/16W D	
R2530	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2532	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2533	QVP0086-502Z	TRIM RESISTOR	5kΩ	
R2534	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
R2537	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2538	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CN2010	QGB1505K1-15	CONNECTOR	B-B (1-15)	

DEF OSC P.W. BOARD ASS’Y (SMK-0H001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC0101	LA7860M-X	IC		
IC0102	BA12FP-X	IC	12V Regulator	
IC0161	AN5441SA-W	IC		
IC0163	TA78L005AP-T	IC		
IC0164	BA9756FS-X	IC		
IC0212	CXA1875AM-X	IC		
Q0101	2SC2412K/QR/-X	TRANSISTOR		
Q0102	2SC2412K/QR/-X	TRANSISTOR		
Q0103	2SC2412K/QR/-X	TRANSISTOR		
Q0131	2SC2412K/QR/-X	TRANSISTOR		
Q0132	2SC2412K/QR/-X	TRANSISTOR		
Q0135	2SC2412K/QR/-X	TRANSISTOR		
Q0751	2SC2412K/QR/-X	TRANSISTOR		
Q0752	2SC2412K/QR/-X	TRANSISTOR		
Q0753	2SC4632	POW TRANSISTOR		
Q0754	2SC2412K/QR/-X	TRANSISTOR		
D0163	MA111-X	SI DIODE		
D0222	UDZS6.2B-X	Z DIODE		
D0223	UDZS6.2B-X	Z DIODE		
D0751	ES1F-LFG2	SI DIODE		
D0752	ES1F-LFG2	SI DIODE		
C0102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0104	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C0106	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0107	NDC21HJ-122X	C CAPACITOR	1200pF 50V J	
C0108	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C0109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0110	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C0111	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C0112	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C0113	NDC21HJ-122X	C CAPACITOR	1200pF 50V J	
C0114	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0115	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0117	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C0118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0119	QEKC1EM-476Z	E CAPACITOR	47uF 25V M	
C0120	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C0121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C0122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0131	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C0132	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C0133	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C0134	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C0135	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0136	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0137	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0138	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0161	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C0162	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0163	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C0164	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0168	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0169	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C0170	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0171	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C0172	QFVF1HJ-824Z	MF CAPACITOR	0.82uF 50V J	
C0173	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C0175	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C0177	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C0178	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0179	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0181	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0182	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0186	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C0187	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C0188	NDC21HJ-821X	C CAPACITOR	820pF 50V J	
C0190	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C0212	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C0751	QFLC1HJ-153Z	M CAPACITOR	0.015uF 50V J	
C0752	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C0753	QFZ0122-752	MPP CAPACITOR	7500pF 1.8kV H	
C0754	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C0761	QFZ0122-682	MPP CAPACITOR	6800pF 1.8kV H	
R0101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0103	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0105	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R0106	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R0107	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R0110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R0111	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R0112	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R0113	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D	
R0114	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0116	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R0117	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0118	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0120	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R0121	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0122	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
⚠ R0123	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R0124	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0129	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R0131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0133	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0134	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R0135	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0139	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R0140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0143	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0161	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0162	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0163	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0164	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0173	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R0174	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R0175	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R0177	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R0178	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0179	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D	
R0180	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R0183	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0186	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0187	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0188	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R0190	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R0192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0197	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0217	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0223	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0224	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0751	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R0752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0753	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0754	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0755	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0756	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R0757	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R0758	QRZ0056-102Z	COMP RESISTOR	1kΩ 1/2W K	
R0759	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0761	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0762	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0763	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0764	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0765	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R0769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L0101	QQL01BK-470Z	P COIL	47uH K	
L0103	NQL092K-100X	P COIL	10uH K	
L0104	NQL092K-100X	P COIL	10uH K	
L0105	QQL01BK-101Z	P COIL	100uH K	
T0751	QQR1096-001	DEF TRANSF		
CN0009	QGB1505K1-35	CONNECTOR	B-B (1-35)	

MICOM P.W. BOARD ASS’Y (SMK-0M001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC001	SDA6000-B12	IC		
IC002	S-80828CNNB-W	IC		
IC003	K4S641632F-TC75	IC(DIGITAL)		
IC004	MBV160-32D25EUW	IC(MICRO C ROM)	(SERVICE)	
IC901	TA48M025F-X	IC	2.5V Regulator	
IC902	TA48M033F-X	IC	3.3V Regulator	
Q001	2SC2712/YG/-X	TRANSISTOR		
Q002	2SC2712/YG/-X	TRANSISTOR		
Q003	2SC2712/YG/-X	TRANSISTOR		
Q007	2SA1162/YG/-X	TRANSISTOR		
Q008	2SA1162/YG/-X	TRANSISTOR		
Q009	2SC2712/YG/-X	TRANSISTOR		
Q010	2SC2712/YG/-X	TRANSISTOR		
Q011	2SC2712/YG/-X	TRANSISTOR		
Q012	2SC2712/YG/-X	TRANSISTOR		
Q013	2SK1374-X	MOS FET		
Q014	2SK1374-X	MOS FET		
Q015	2SK1374-X	MOS FET		
Q016	2SK1374-X	MOS FET		
Q021	2SC2712/YG/-X	TRANSISTOR		
Q022	2SC2712/YG/-X	TRANSISTOR		
D001	MA111-X	SI DIODE		
D002	MA111-X	SI DIODE		
D003	MA3068/M/-X	Z DIODE		
D005	MA3056/M/-X	Z DIODE		
D006	MA3056/M/-X	Z DIODE		
D007	MA3056/M/-X	Z DIODE		
D008	MA3056/M/-X	Z DIODE		
C001	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C003	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C004	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C007	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C008	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C014	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C019	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C021	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C023	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C025	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C027	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C028	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C029	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C040	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C041	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C048	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C051	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C055	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C057	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C059	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C060	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C061	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R012	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R013	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R019	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R022	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R024	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R027	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R030	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R032	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R048	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R050	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R087	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R089	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R090	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R095	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R097	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R098	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R099	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R100	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R117	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R119	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R120	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R121	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R129	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R131	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R132	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R137	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R139	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R144	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R147	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R151	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R152	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R153	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R154	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R156	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R160	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R161	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R166	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R167	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R180	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R181	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R182	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
L001	NQL092K-4R7X	P COIL	4.7uH K	
L003	NQL092K-4R7X	P COIL	4.7uH K	
L005	NQL092K-4R7X	P COIL	4.7uH K	
L006	NQL092K-4R7X	P COIL	4.7uH K	
L007	NQL092K-4R7X	P COIL	4.7uH K	
L008	NQL092K-4R7X	P COIL	4.7uH K	
L009	NQL034K-4R7X	COIL	4.7uH K	
L010	NQL092K-4R7X	P COIL	4.7uH K	
L011	NQL092K-4R7X	P COIL	4.7uH K	
L012	NQL092K-4R7X	P COIL	4.7uH K	
L013	NQL092K-4R7X	P COIL	4.7uH K	
L014	NQL092K-4R7X	P COIL	4.7uH K	
L015	NQL034K-4R7X	COIL	4.7uH K	
L016	NQL034K-4R7X	COIL	4.7uH K	
L017	NQL092K-1R5X	P COIL	1.5uH K	
L018	NQL092K-1R5X	P COIL	1.5uH K	
L019	NQL092K-1R5X	P COIL	1.5uH K	
L020	NQL092K-1R5X	P COIL	1.5uH K	
L021	NQL092K-1R5X	P COIL	1.5uH K	
L022	NQL092K-1R5X	P COIL	1.5uH K	
CN004	QGB1232K1-50T	CONNECTOR	B-B (1-50)	
K001	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
K002	NQR0389-003X	FERRITE BEADS		
K003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K004	NQR0389-003X	FERRITE BEADS		
LC001	NQR0313-007X	EMI FILTER		
LC002	NQR0431-001X	EMI FILTER		
X001	QAX0669-001Z	CRYSTAL	6.000MHz	

AV SW P.W. BOARD ASS'Y (SMK-0S001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC101	CXA2069Q	IC	AV SW (I2C)	
IC501	MSP3415DQGB3GHX	IC		
IC662	BA4558F-X	IC		
IC901	AN77L08-T	IC		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SA1037AK/QR/-X	TRANSISTOR		
Q104	DTC323TK-X	DIGI TRANSISTOR		
Q105	DTC323TK-X	DIGI TRANSISTOR		
Q106	2SC1740S/QR/-T	TRANSISTOR		
Q131	2SA933AS/QR/-T	TRANSISTOR		
Q136	DTC323TK-X	DIGI TRANSISTOR		
Q137	DTC323TK-X	DIGI TRANSISTOR		
Q138	2SA1037AK/QR/-X	TRANSISTOR		
Q201	2SC2412K/QR/-X	TRANSISTOR		
Q202	2SC2412K/QR/-X	TRANSISTOR		
Q211	2SC2412K/QR/-X	TRANSISTOR		
Q212	2SC2412K/QR/-X	TRANSISTOR		
Q221	2SC2412K/QR/-X	TRANSISTOR		
Q222	2SC2412K/QR/-X	TRANSISTOR		
Q231	2SC2412K/QR/-X	TRANSISTOR		
Q232	2SC2412K/QR/-X	TRANSISTOR		
Q301	2SC2412K/QR/-X	TRANSISTOR		
Q311	2SC2412K/QR/-X	TRANSISTOR		
Q321	2SC2412K/QR/-X	TRANSISTOR		
Q502	2SC2412K/QR/-X	TRANSISTOR		
Q503	DTC144EKA-X	DIGI TRANSISTOR		
Q601	DTC323TK-X	DIGI TRANSISTOR		
Q602	DTC323TK-X	DIGI TRANSISTOR		
Q603	2SA1037AK/QR/-X	TRANSISTOR		
D101	MA3056/M/-X	Z DIODE		
D102	MA3056/M/-X	Z DIODE		
D103	MA3056/M/-X	Z DIODE		
D104	MA3056/M/-X	Z DIODE		
D111	MA3056/M/-X	Z DIODE		
D112	MA3056/M/-X	Z DIODE		
D113	MA3056/M/-X	Z DIODE		
D114	MA3039/H/-X	Z DIODE		
D131	MA3120/M/-X	Z DIODE		
D161	MA3120/M/-X	Z DIODE		
D162	MA3120/M/-X	Z DIODE		
D163	MA3120/M/-X	Z DIODE		
D164	MA3120/M/-X	Z DIODE		
D681	MA3150/M/-X	Z DIODE		
D682	MA3150/M/-X	Z DIODE		
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C006	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C011	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C105	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C106	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C107	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C112	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C114	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C115	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C116	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C117	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C122	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C124	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C125	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C131	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C132	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C133	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C141	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C142	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C143	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C144	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C145	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C146	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
C147	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C148	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C149	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C150	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C151	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C152	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C153	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C162	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C163	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C164	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C165	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C168	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C169	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C170	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C171	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C172	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C173	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C174	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C175	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C176	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C177	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C178	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C179	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C181	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C182	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C183	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C184	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C185	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C190	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C213	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C214	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C321	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C331	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C341	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C342	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C343	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C344	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C511	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C512	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C514	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C515	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C517	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C518	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C519	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C520	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C521	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C523	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C524	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C526	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C527	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C528	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C529	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C530	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C531	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C533	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C534	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C535	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C611	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C612	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C671	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C672	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C673	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C678	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C679	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C681	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C683	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C902	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R104	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R106	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R108	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R109	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R114	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R115	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R116	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R117	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R118	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R119	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R127	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R129	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R131	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	
R132	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	
R133	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R135	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R136	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R137	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R138	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R139	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R147	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R156	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R157	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R160	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R161	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R162	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R164	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R165	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R166	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R167	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R168	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R169	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R170	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R171	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R172	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R173	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R174	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R175	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R176	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R177	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R178	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R179	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R180	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R181	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R182	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R183	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	
R184	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R185	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R186	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R187	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R188	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R189	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R190	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R192	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R193	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R194	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R203	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R204	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R205	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R206	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R207	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R211	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R214	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R215	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R217	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R218	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R221	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R222	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R223	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R224	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R227	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R234	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R241	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R242	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R251	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R301	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R302	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R303	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R311	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R312	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R313	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R314	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R321	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R322	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R323	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R324	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R342	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R343	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R344	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R511	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R672	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R674	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R677	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R678	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R680	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R682	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R683	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R685	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R686	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L003	QQL244K-100Z	COIL	10uH K	
L503	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L504	QQL244K-4R7Z	COIL	4.7uH K	
CN006	QGB1505K1-25	CONNECTOR	B-B (1-25)	
CN007	QGB1505K1-35	CONNECTOR	B-B (1-35)	
J001	QNZ0465-001	21P CONNECTOR	EXT-2/EXT-3	
J002	QNZ0463-001	21P CONNECTOR	EXT-1	
J003	QNN0349-002	PIN JACK	EXT-4(Y/Pb/Pr)	
J004	QNN0348-001	PIN JACK	EXT-4(LR)	
K101	CE42681-001Y	CHIP BEADS CORE		
K102	CE42681-001Y	CHIP BEADS CORE		
K103	CE42681-001Y	CHIP BEADS CORE		
K104	CE42681-001Y	CHIP BEADS CORE		
K105	QQR0716-001Z	FERRITE BEADS		
K501	NQR0389-003X	FERRITE BEADS		
K502	NQR0389-003X	FERRITE BEADS		
LC001	NQR0431-001X	EMI FILTER		
LC501	NQR0431-001X	EMI FILTER		
TU002	QAU0301-001	TUNER		
UD001	QAU0283-001	RF SPLITTER		
X501	CE42546-001Z	X TAL		

DIST P.W. BOARD ASS’Y (SMK-0Z001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC001	TC90A90FG	IC	(100pin)	
IC002	TC7WH34FU-X	IC	NON-INVERTER	
IC003	AD9883AKST-110	IC	(80pin)	
IC004	TC7WH34FU-X	IC	NON-INVERTER	
IC005	MSM514265E-60TS	IC		
IC006	R1170H331B-X	IC	Regulator	
IC101	TMS57128GJG	IC	(264pin)	
IC102	HY5DU643222AQ-5	IC	(80pin)	
IC103	MBV400TC90PFN20	IC(MICRO C ROM)		
IC104	TC7WH74FU-X	IC(DIGITAL)	FLIP FLOP	
IC105	TC7S08F-X	IC(DIGITAL)	NAND	
IC106	S-80828CLNB-W	IC		
IC107	LP3964EMP-ADJ-X	IC		
IC108	LP3964EMP-ADJ-X	IC		
IC201	JCC5054	IC	(256pin)	
IC203	R1170H151B-X	IC		
IC204	TK15452V-X	IC	3CH V Amp	
IC205	TC7WH34FU-X	IC	NON-INVERTER	
IC206	R1170H251B-X	IC		
IC207	BU2098F-X	IC		
IC208	TC7S66F-X	IC(DIGITAL)	BILATERAL SW	
IC209	TC7WH157FU-X	IC		
IC210	TLC2932IPW-X	IC		
IC214	TC7SET32FU-X	IC(DIGITAL)		
IC701	TB1274AF	IC		
IC702	TC90A69AF-X	IC		
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
Q701	2SA1037AK/QR/-X	TRANSISTOR		
Q702	2SA1037AK/QR/-X	TRANSISTOR		
Q703	2SA1037AK/QR/-X	TRANSISTOR		
Q704	2SC2412K/QR/-X	TRANSISTOR		
Q705	2SA1037AK/QR/-X	TRANSISTOR		
Q753	2SC2412K/QR/-X	TRANSISTOR		
Q754	2SC2412K/QR/-X	TRANSISTOR		
Q755	2SC2412K/QR/-X	TRANSISTOR		
Q756	2SA1037AK/QR/-X	TRANSISTOR		
Q757	2SC2412K/QR/-X	TRANSISTOR		
Q758	2SC2412K/QR/-X	TRANSISTOR		
Q759	2SC2412K/QR/-X	TRANSISTOR		
Q760	2SA1037AK/QR/-X	TRANSISTOR		
Q761	2SC2412K/QR/-X	TRANSISTOR		
Q762	2SC2412K/QR/-X	TRANSISTOR		
Q763	2SC2412K/QR/-X	TRANSISTOR		
Q764	IMX1-XW	PAIR TRANSISTOR		
Q801	2SA1037AK/QR/-X	TRANSISTOR		
Q802	2SA1037AK/QR/-X	TRANSISTOR		
Q853	2SC2412K/QR/-X	TRANSISTOR		
Q854	2SC2412K/QR/-X	TRANSISTOR		
Q855	2SC2412K/QR/-X	TRANSISTOR		
Q856	2SA1037AK/QR/-X	TRANSISTOR		
Q857	2SC2412K/QR/-X	TRANSISTOR		
Q858	2SC2412K/QR/-X	TRANSISTOR		
Q859	2SC2412K/QR/-X	TRANSISTOR		
Q860	2SA1037AK/QR/-X	TRANSISTOR		
Q861	2SC2412K/QR/-X	TRANSISTOR		
Q862	2SC2412K/QR/-X	TRANSISTOR		
Q863	2SC2412K/QR/-X	TRANSISTOR		
Q864	IMX1-XW	PAIR TRANSISTOR		
QB001	2SC2412K/QR/-X	TRANSISTOR		
QB002	2SC2412K/QR/-X	TRANSISTOR		
QB003	2SA1037AK/QR/-X	TRANSISTOR		
QB004	2SC2412K/QR/-X	TRANSISTOR		
QB005	2SC2412K/QR/-X	TRANSISTOR		
QB006	2SC2412K/QR/-X	TRANSISTOR		
QB007	2SA1037AK/QR/-X	TRANSISTOR		
QB008	2SC2412K/QR/-X	TRANSISTOR		
QB009	2SC2412K/QR/-X	TRANSISTOR		
QB010	2SC2412K/QR/-X	TRANSISTOR		

⚠ Ref No.	Part No.	Part Name	Description	Local
QB011	2SA1037AK/QR/-X	TRANSISTOR		
QB012	2SC2412K/QR/-X	TRANSISTOR		
QB020	2SK1374-X	MOS FET		
QB021	2SK1374-X	MOS FET		
QB101	2SC3837K/NP/-X	TRANSISTOR		
QB102	2SA1022/BC/-X	TRANSISTOR		
QB103	2SC3837K/NP/-X	TRANSISTOR		
QB104	2SA1022/BC/-X	TRANSISTOR		
QB105	2SC3837K/NP/-X	TRANSISTOR		
QB106	2SA1022/BC/-X	TRANSISTOR		
QB107	IMX1-XW	PAIR TRANSISTOR		
QB108	IMX1-XW	PAIR TRANSISTOR		
QB109	IMX1-XW	PAIR TRANSISTOR		
QB211	2SC3837K/NP/-X	TRANSISTOR		
QB212	IMX1-XW	PAIR TRANSISTOR		
QB231	2SC3837K/NP/-X	TRANSISTOR		
QB232	IMX1-XW	PAIR TRANSISTOR		
QB251	2SC3837K/NP/-X	TRANSISTOR		
QB252	IMX1-XW	PAIR TRANSISTOR		
QB271	2SC3837K/NP/-X	TRANSISTOR		
QB272	2SC3837K/NP/-X	TRANSISTOR		
QB273	2SC3837K/NP/-X	TRANSISTOR		
QB274	2SC3837K/NP/-X	TRANSISTOR		
QB275	2SC3837K/NP/-X	TRANSISTOR		
QB276	2SC3837K/NP/-X	TRANSISTOR		
QB277	2SA1022/BC/-X	TRANSISTOR		
DB201	MA111-X	SI DIODE		
C701	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C702	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C704	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C707	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C709	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C711	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C713	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C715	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C716	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C717	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C718	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C719	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C722	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C723	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C726	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C728	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C750	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C751	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C752	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C753	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C758	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C761	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C762	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C763	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C764	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C765	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C766	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C767	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C768	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C769	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C770	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C771	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C772	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C773	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C774	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C775	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C776	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C777	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C779	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C780	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C781	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠ Ref No.	Part No.	Part Name	Description	Local
C782	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C783	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C784	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C785	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C786	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C787	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C788	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C789	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C790	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C791	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C794	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C795	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C796	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C804	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C810	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C813	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C815	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C818	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C823	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C826	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C827	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C828	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C851	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C852	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C854	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C862	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C867	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C868	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C871	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C872	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C878	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C879	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C880	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C881	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C884	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C885	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C886	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C887	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C888	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C889	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C890	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C891	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C893	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C895	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
CB001	NEH71CM-106X	E CAPACITOR	10uF 16V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
CB002	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
CB003	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
CB004	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
CB005	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB007	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB008	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB009	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB011	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB012	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB013	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB021	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB022	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB023	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB025	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB029	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB034	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
CB040	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
CB041	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB044	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB048	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB050	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB051	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB054	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB055	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB056	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB101	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB104	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB105	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB107	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB110	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB111	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB113	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB116	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB117	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB119	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB120	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB121	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB122	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
CB123	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB125	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB126	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
CB127	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
CB128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB134	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB137	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB139	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB140	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB144	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB145	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB208	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB209	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB211	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB212	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB213	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB214	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB219	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB220	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB223	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB225	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB233	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB234	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB302	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB303	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB310	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB312	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB313	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
CB314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB329	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB330	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
CB331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB348	NEH71EM-336X	E CAPACITOR	33uF 25V M	
CB349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB359	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
CB360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB362	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB363	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB364	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB365	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB375	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB376	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB379	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB380	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB401	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB402	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠ Ref No.	Part No.	Part Name	Description	Local
CB409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB424	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB428	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB429	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB431	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB501	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB513	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB514	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB515	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB516	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
CB518	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB519	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB520	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
CB522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB533	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB534	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB535	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB536	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
CB538	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB539	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB540	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
CB542	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB553	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB554	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB555	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB556	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
CB558	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB559	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB560	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
CB562	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB573	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
CB574	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
CB575	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB576	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB578	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB579	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
CB580	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB581	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
CB582	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB601	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB602	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB603	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
CB604	NEH71HM-474X	E CAPACITOR	0.47uF 50V M	
CB611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB612	NEH71CM-106X	E CAPACITOR	10uF 16V M	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R706	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R707	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R710	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R711	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R712	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R713	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R714	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R715	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R720	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R723	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R727	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R751	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R752	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R753	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R754	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R755	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R759	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R762	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R763	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R764	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R766	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R767	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R768	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R769	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R770	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R771	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R772	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R773	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R774	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R775	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R776	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R777	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R778	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R779	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R780	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R781	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R782	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R783	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R784	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R785	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R786	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R787	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R788	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R789	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R790	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R794	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R795	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R798	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R799	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R810	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R811	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R812	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R813	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R814	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R815	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R851	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R852	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R853	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R854	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R865	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R866	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R867	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R868	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R869	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R870	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R871	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R872	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R875	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R876	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R877	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R878	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R879	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R880	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R881	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R882	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R887	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R890	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R893	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R899	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RA001	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA002	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA003	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA004	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA005	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA006	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA007	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA008	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA009	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA010	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA011	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA012	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA013	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA014	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA015	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA016	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA017	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA101	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA102	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA103	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA104	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA105	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA106	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA107	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA108	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA109	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA110	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA111	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA112	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA113	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA114	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA115	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA116	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA117	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA118	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA119	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA120	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA121	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA122	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA123	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA124	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA125	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA126	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA127	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA128	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA129	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA130	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA131	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA132	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA133	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA134	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA135	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA201	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
RA212	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA214	NRZ0040-102X	NET RESISTOR	1kΩ 1/16W J x4	
RB001	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB002	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB003	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB004	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB006	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB007	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
RB008	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB009	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB010	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB011	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB012	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB013	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB015	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB016	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB017	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB019	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB020	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB021	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB022	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB023	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB024	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB025	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB026	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB028	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB029	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB030	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB032	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB033	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB034	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB035	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB036	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB037	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB038	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB039	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB051	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB057	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB058	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
RB059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB061	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB062	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB066	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB107	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
RB108	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB111	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB114	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB116	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB117	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB118	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
RB119	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB122	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB125	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB127	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB128	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB129	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
RB130	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB133	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB134	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB135	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB138	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB139	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB140	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB141	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB149	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB150	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB151	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB154	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB157	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB158	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB159	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB160	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB161	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
RB162	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB203	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB220	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB223	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB228	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB229	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB230	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB240	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB244	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB247	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB248	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB249	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB251	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB252	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB257	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB258	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB261	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB262	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB263	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB265	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB266	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB268	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB269	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB320	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB324	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB333	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB334	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB335	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB337	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
RB338	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
RB339	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB343	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB344	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

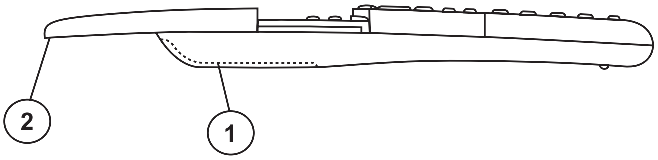
⚠ Ref No.	Part No.	Part Name	Description	Local
RB347	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB349	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB354	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB355	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB362	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
RB363	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB364	NRVA02D-222X	CMF RESISTOR	2.2kΩ 1/10W D	
RB365	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB366	NRVA63D-473X	CMF RESISTOR	47kΩ 1/16W D	
RB367	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB368	NRVA02D-682X	CMF RESISTOR	6.8kΩ 1/10W D	
RB375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB376	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB377	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB405	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB410	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB442	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB443	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB444	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB448	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB458	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB459	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB460	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB464	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB465	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB466	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB473	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB474	NRVA02D-562X	CMF RESISTOR	5.6kΩ 1/10W D	
RB475	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB479	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB482	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB483	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB503	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB505	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB507	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB508	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB512	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB513	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB515	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB517	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB518	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB519	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB522	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB523	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB524	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB525	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB526	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB527	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
RB528	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB529	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB530	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB531	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB532	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB535	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB536	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB537	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB538	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB539	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB541	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB542	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB543	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB544	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB545	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB546	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB547	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB548	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB549	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB550	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB551	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB552	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB553	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB554	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB555	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB556	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB557	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB558	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB559	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB560	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB561	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB562	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB563	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB564	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB565	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB566	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB567	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB569	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB570	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB571	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB572	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB573	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB575	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB576	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB577	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB578	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB579	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB580	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB581	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB582	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB583	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB584	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB585	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB586	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
RB587	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB588	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB589	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB590	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
RB591	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB592	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB593	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB595	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB596	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
RB597	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB598	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
RB601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB604	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB612	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB613	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB621	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB622	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
RB623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L701	NQL092K-3R3X	P COIL	3.3uH K	
L702	NQL092K-3R3X	P COIL	3.3uH K	
L703	NQL092K-3R3X	P COIL	3.3uH K	
L704	NQL092K-3R3X	P COIL	3.3uH K	
L705	NQL092K-3R3X	P COIL	3.3uH K	

⚠ Ref No.	Part No.	Part Name	Description	Local
L706	NQL092K-3R3X	P COIL	3.3uH K	
L707	NQR0413-003X	FERRITE BEADS		
L708	NQR0413-003X	FERRITE BEADS		
L709	NQR0413-003X	FERRITE BEADS		
L751	NQL092K-6R8X	P COIL	6.8uH K	
L752	NQL092K-6R8X	P COIL	6.8uH K	
L753	NQL092K-6R8X	P COIL	6.8uH K	
L754	NQL092M-270X	P COIL	27uH M	
L761	NQL034K-220X	P COIL	22uH K	
L762	NQL034K-101X	P COIL	100uH K	
L763	NQL034K-220X	P COIL	22uH K	
L764	NQL034K-101X	P COIL	100uH K	
L765	NQL034K-101X	P COIL	100uH K	
L766	NQL034K-220X	P COIL	22uH K	
L767	NQL034K-220X	P COIL	22uH K	
L768	NQR0413-003X	FERRITE BEADS		
L769	NQL092M-180X	P COIL	18uH M	
L801	NQL092K-3R3X	P COIL	3.3uH K	
L802	NQL092K-3R3X	P COIL	3.3uH K	
L803	NQL092K-3R3X	P COIL	3.3uH K	
L804	NQL092K-3R3X	P COIL	3.3uH K	
L805	NQL092K-3R3X	P COIL	3.3uH K	
L806	NQL092K-3R3X	P COIL	3.3uH K	
L807	NQR0413-003X	FERRITE BEADS		
L808	NQR0413-003X	FERRITE BEADS		
L809	NQR0413-003X	FERRITE BEADS		
L851	NQL092K-6R8X	P COIL	6.8uH K	
L852	NQL092K-6R8X	P COIL	6.8uH K	
L853	NQL092K-6R8X	P COIL	6.8uH K	
L854	NQL092M-270X	P COIL	27uH M	
L861	NQL034K-220X	P COIL	22uH K	
L862	NQL034K-101X	P COIL	100uH K	
L863	NQL034K-101X	P COIL	100uH K	
L864	NQL034K-101X	P COIL	100uH K	
L865	NQL034K-220X	P COIL	22uH K	
L866	NQL034K-220X	P COIL	22uH K	
L867	NQL034K-220X	P COIL	22uH K	
L868	NQR0413-003X	FERRITE BEADS		
L869	NQL092M-180X	P COIL	18uH M	
LB001	NQL092M-180X	P COIL	18uH M	
LB002	NQL085J-101X	COIL	100uH J	
LB003	NQL085J-101X	COIL	100uH J	
LB005	NQR0413-003X	FERRITE BEADS		
LB007	NQL092K-2R2X	P COIL	2.2uH K	
LB008	NQL092K-2R2X	P COIL	2.2uH K	
LB009	NQL092K-2R2X	P COIL	2.2uH K	
LB101	NQR0413-003X	FERRITE BEADS		
LB102	NQR0413-003X	FERRITE BEADS		
LB104	NQR0413-003X	FERRITE BEADS		
LB106	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB109	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB202	NQR0413-003X	FERRITE BEADS		
LB204	NQR0413-003X	FERRITE BEADS		
LB205	NQR0413-003X	FERRITE BEADS		
LB206	NQR0413-003X	FERRITE BEADS		
LB207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB211	NQL092K-2R2X	P COIL	2.2uH K	
LB231	NQL092K-2R2X	P COIL	2.2uH K	
LB251	NQL092K-2R2X	P COIL	2.2uH K	
LB271	NQL092K-2R2X	P COIL	2.2uH K	
LB602	NQR0413-003X	FERRITE BEADS		
KB002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB003	NQR0413-002X	FERRITE BEADS		
KB004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB013	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB014	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB020	NQR0413-002X	FERRITE BEADS		
KB021	NQR0413-002X	FERRITE BEADS		
KB022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB202	NQR0413-003X	FERRITE BEADS		
LC005	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC006	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC008	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC009	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC010	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC011	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC012	NQR0416-001X	EMI FILTER		
LC013	NQR0416-001X	EMI FILTER		
LC017	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC018	NQR0415-005X	EMI FILTER	0.1uF 25V M	

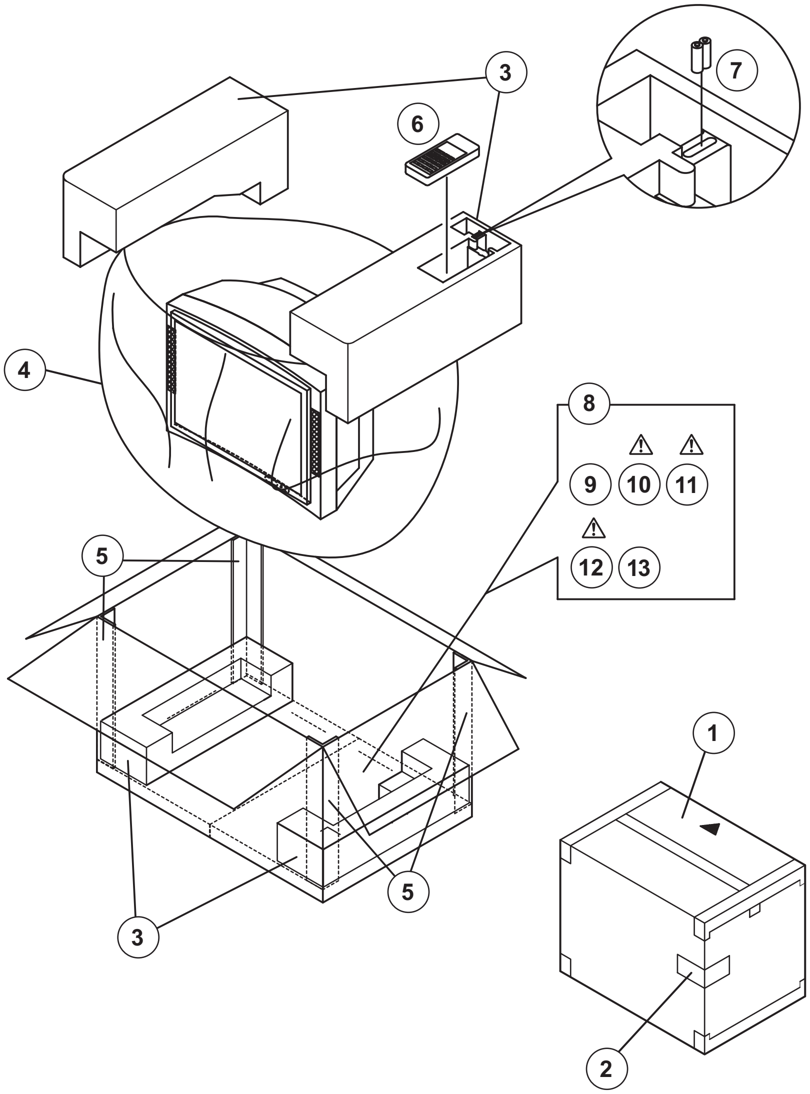
⚠ Ref No.	Part No.	Part Name	Description	Local
LC019	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC020	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC021	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC025	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC029	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC030	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC031	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC032	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC601	NQR0415-005X	EMI FILTER	0.1uF 25V M	
X101	NAX0539-001X	CXO	10.000MHz	
X601	NAX0526-001X	CXO	74.1758MHz	
X701	QAX0305-001	CRYSTAL	16.200MHz	
X801	QAX0305-001	CRYSTAL	16.200MHz	

REMOTE CONTROL UNIT PARTS LIST



⚠ Ref.No.	Part No.	Part Name	Description	Local
1	2AA027770	BATTERY DOOR	RM-C61-1C/RM-C62-1C	
2	2AA027760	COVER	RM-C61-1C/RM-C62-1C	

PACKING



* INSTRUCTION BOOK LANGUAGE

EN .... ENGLISH
GE .... GERMANY
DU .... DUTCH
SP .... SPANISH
IT .... ITALIAN
DA .... DANISH
FI .... FINNISH
SW .... SWEDISH
NO .... NORWEGIAN
PT .... PORTUGUESE
CZ .... CZECH
RU .... RUSSIAN
HU .... HUNGARIAN
PO .... POLISH
FR .... FRENCH
RUM .... RUMANIAN
BUL .... BULGARIAN

PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC10101-017A	PACKING CASE		
	2	AEM1064-034-E	EURO LABEL		EUW
	2	AEM1064-035-E	EURO LABEL		EJW
	3	LC11361-001C	CUSHION ASSY	4pcs in 1set	
	4	AEM1047-A02-E	POLY BAG	TV set	
	5	AEM3119-006A-E	CORNER POST	(x4)	
	6	RM-C61-1C	REMOCON		EUW
	6	RM-C62-1C	REMOCON		EJW
	7	------------	BATTERY	(x2)	
	8	AEM3021-003A-E	POLY BAG	ACCESSORY	
	9	BT-54013-4E	WARRANTY CARD		
⚠	10	LCT1272-001A-U	INST BOOK	EN/GE/FR/DU/SP/IT/PT	EUW
⚠	10	LCT1271-001A-U	INST BOOK	EN	EJW
⚠	11	LCT1273-001A-U	INST BOOK	NO/FI/DA/SW	EUW
⚠	12	LCT1274-001A-U	INST BOOK	RU/PO/CZ/HU/RUM/BUL	EUW
	13	32D25EU-HS-A-E	S DAIAGRAM	[ITARY VERSION]	EUW

JVC

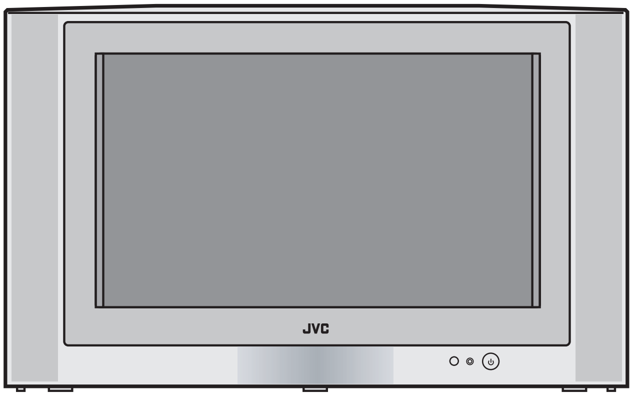
SCHEMATIC DIAGRAMS

COLOUR TELEVISION

HV-32D25EUW
HV-32D25EJW

CD-ROM No.SML200301

BASIC CHASSIS
MK



D.I.S.T. 1250i
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Natural Vision
T-V LINK

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No.52068SCH
2002/12

HV-32D25EUW / HV-32D25EJW STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and variable resistor : Original setting position when shipped

(3)Internal resistance of tester :DC 20kΩ/V

(4)Oscilloscope sweeping time :H ⇒ 20μS/div
:V ⇒ 5mS/div
:Others ⇒ Sweeping time is specified

(5)Voltage values :All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board :R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit :[Ω]
K :[K Ω]
M :[M Ω]

● Rated allowable power

No indication :1/ 16 [W]
Others :As specified

● Type

No indication :Carbon resistor
OMR :Oxide metal film resistor
MFR :Metal film resistor
MPR :Metal plate resistor
UNFR :Uninflammable resistor
FR :Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher :[pF]
less than 1 :[μF]

● Withstand voltage

No indication :DC50[V]
Others :DC withstand voltage [V]
AC indicated :AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]:Capacitance value [μF]/withstand voltage[V]

● Type

No indication :Ceramic capacitor
MM :Metalized mylar capacitor
PP :Polypropylene capacitor
MPP :Metalized polypropylene capacitor
MF :Metalized film capacitor
TF :Thin film capacitor
BP :Bipolar electrolytic capacitor
TAN :Tantalum capacitor

(3)Coils

No unit :[μH]
Others :As specified

(4)Power Supply

═══ :B1
■■■■ :B2 (12V)
■□■□ :9V
□□□□ :5V

∗ Respective voltage values are indicated

(5)Test point

◉ :Test point
○ :Only test point display

(6)Connecting method

▭ :Connector
○ :Wrapping or soldering
→>— →⊣— :Receptacle

(7)Ground symbol

⊥ :LIVE side ground
⏊ :ISOLATED(NEUTRAL) side ground
⏚ :EARTH ground
▽ :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏊) side GND.Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected , a fuse or any parts will be broken.

◇ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◇ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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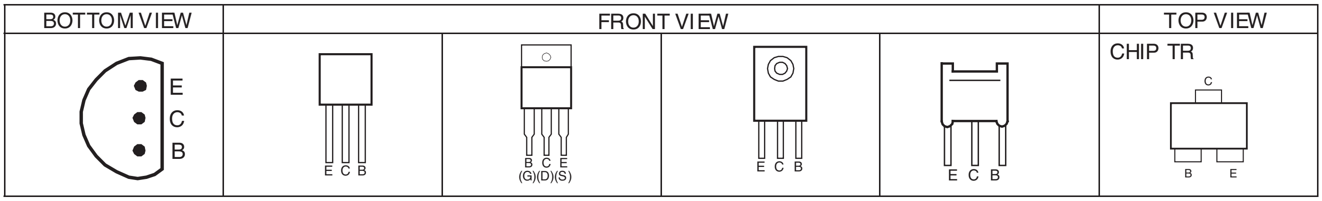
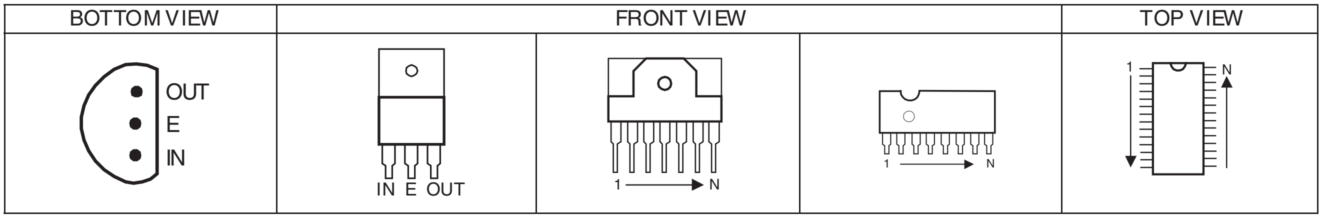
DEF OSC PWB PATTERN 2-29
MICOM PATTERN 2-30
AV SW PWB PATTERN 2-31
DIST PWB PATTERN 2-32
VOLTAGE CHART 2-33

SEMICONDUCTOR SHAPES

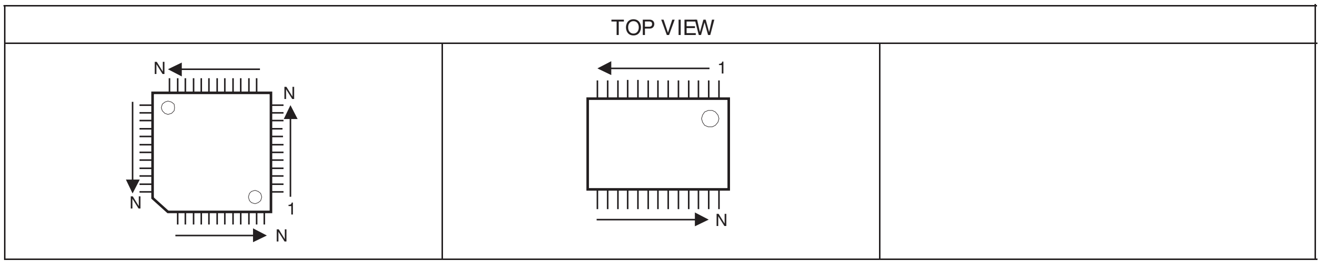
TRANSISTOR


BOTTOM VIEW
FRONT VIEW
TOP VIEW
E
C
B
E C B
B C E
(G)(D)(S)
E C B
E C B
CHIP TR
C
B
E

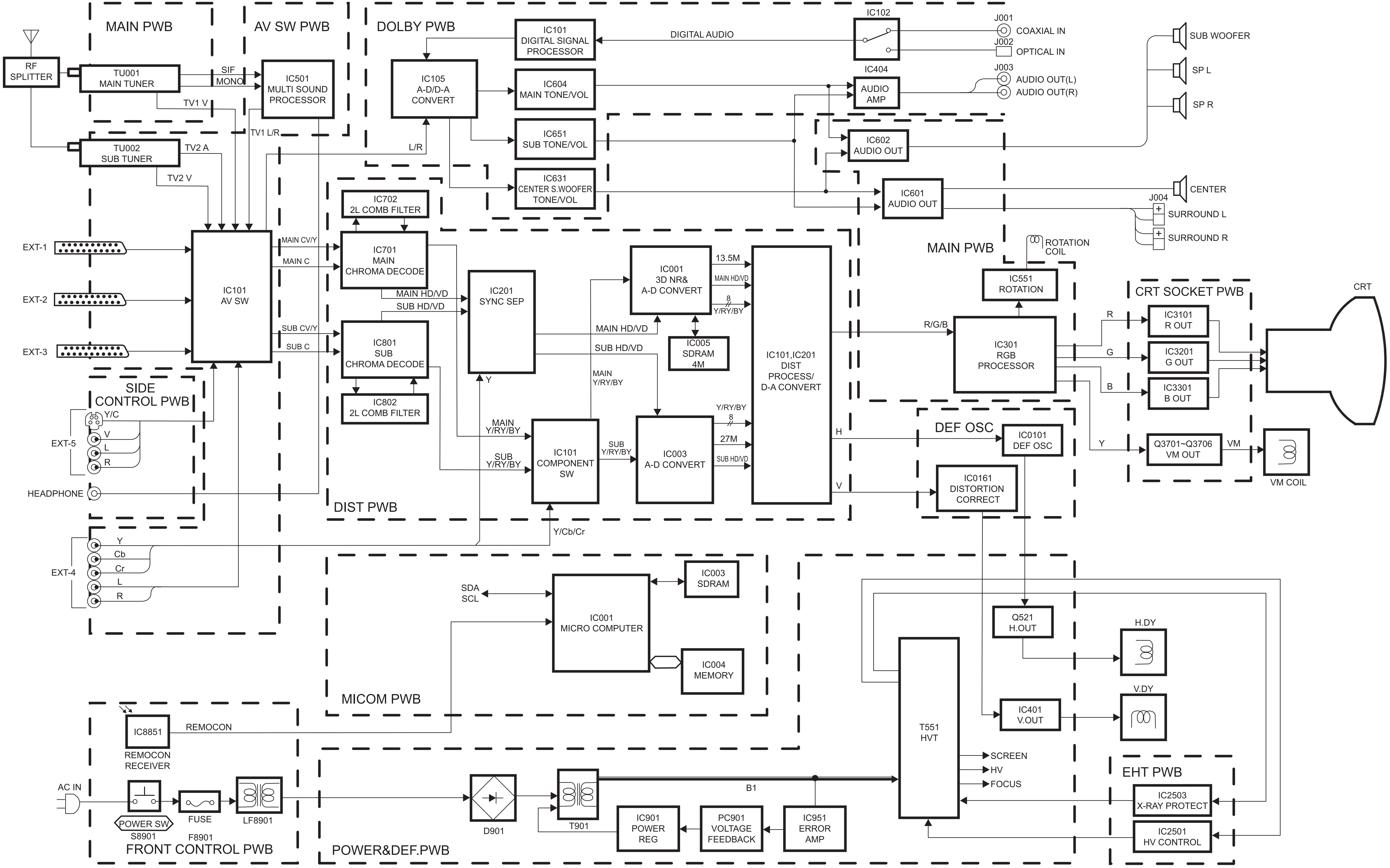
IC


BOTTOM VIEW
FRONT VIEW
TOP VIEW
OUT
E
IN
IN E OUT
1
N
1
N
1
N

CHIP IC


TOP VIEW
N
N
N
1
N
1
N

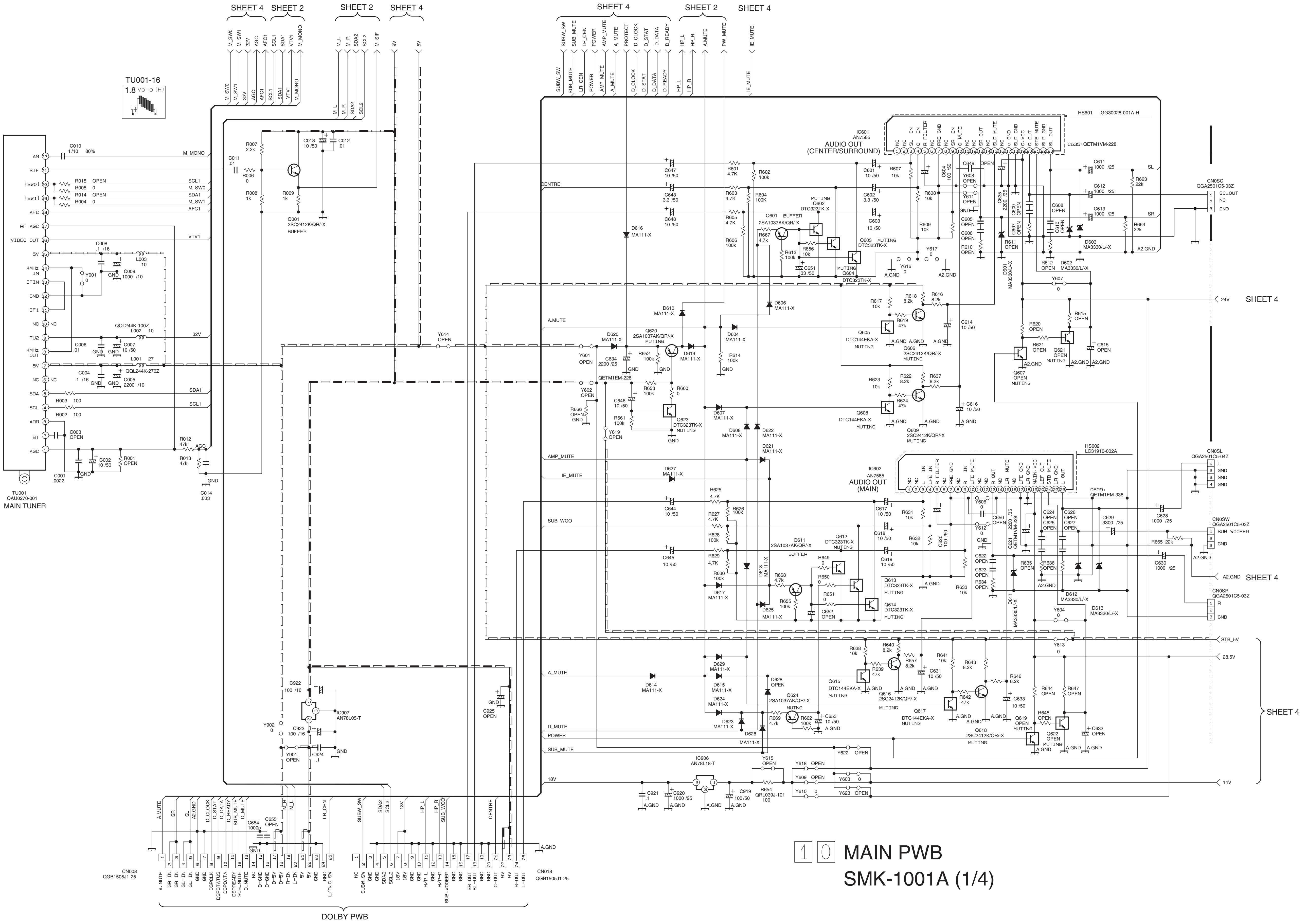
BLOCK DIAGRAM


MAIN PWB
AV SW PWB
DOLBY PWB
RF SPLITTER
TU001 MAIN TUNER
SIF
MONO
TV1 V
IC501 MULTI SOUND PROCESSOR
TV1 L/R
TU002 SUB TUNER
TV2 A
TV2 V
L/R
IC105 A-D/D-A CONVERT
IC101 DIGITAL SIGNAL PROCESSOR
DIGITAL AUDIO
IC102
J001
COAXIAL IN
J002
OPTICAL IN
IC604 MAIN TONE/VOL
IC404 AUDIO AMP
J003
AUDIO OUT(L)
AUDIO OUT(R)
IC651 SUB TONE/VOL
IC631 CENTER S.WOOFER TONE/VOL
IC602 AUDIO OUT
IC601 AUDIO OUT
SUB WOOFER
SP L
SP R
CENTER
J004
SURROUND L
SURROUND R
IC702 2L COMB FILTER
IC701 MAIN CHROMA DECODE
IC801 SUB CHROMA DECODE
IC802 2L COMB FILTER
EXT-1
EXT-2
EXT-3
IC101 AV SW
MAIN CV/Y
MAIN C
SUB CV/Y
SUB C
MAIN HD/VD
SUB HD/VD
IC201 SYNC SEP
Y
IC001 3D NR& A-D CONVERT
13.5M
MAIN HD/VD
8
Y/RY/BY
IC005 SDRAM 4M
MAIN HD/VD
SUB HD/VD
MAIN Y/RY/BY
IC101,IC201 DIST PROCESS/ D-A CONVERT
Y/RY/BY
8
27M
SUB HD/VD
IC003 A-D CONVERT
SUB Y/RY/BY
MAIN Y/RY/BY
SUB Y/RY/BY
IC101 COMPONENT SW
DIST PWB
Y/Cb/Cr
MAIN PWB
ROTATION COIL
IC551 ROTATION
R/G/B
IC301 RGB PROCESSOR
CRT SOCKET PWB
R
G
B
IC3101 R OUT
IC3201 G OUT
IC3301 B OUT
CRT
Y
Q3701~Q3706 VM OUT
VM
VM COIL
H
V
DEF OSC
IC0101 DEF OSC
IC0161 DISTORTION CORRECT
SIDE CONTROL PWB
Y/C
V
L
R
EXT-5
HEADPHONE
EXT-4
Y
Cb
Cr
L
R
SDA
SCL
IC001 MICRO COMPUTER
IC003 SDRAM
IC004 MEMORY
MICOM PWB
Q521 H.OUT
H.DY
IC401 V.OUT
V.DY
T551 HVT
SCREEN
HV
FOCUS
EHT PWB
IC2503 X-RAY PROTECT
IC2501 HV CONTROL
IC8851
REMOCON
REMOCON RECEIVER
AC IN
POWER SW
S8901
FUSE
F8901
LF8901
FRONT CONTROL PWB
D901
T901
B1
IC901 POWER REG
PC901 VOLTAGE FEEDBACK
IC951 ERROR AMP
POWER&DEF.PWB

HV-32D25EUW
HV-32D25EJW

CIRCUIT DIAGRAM

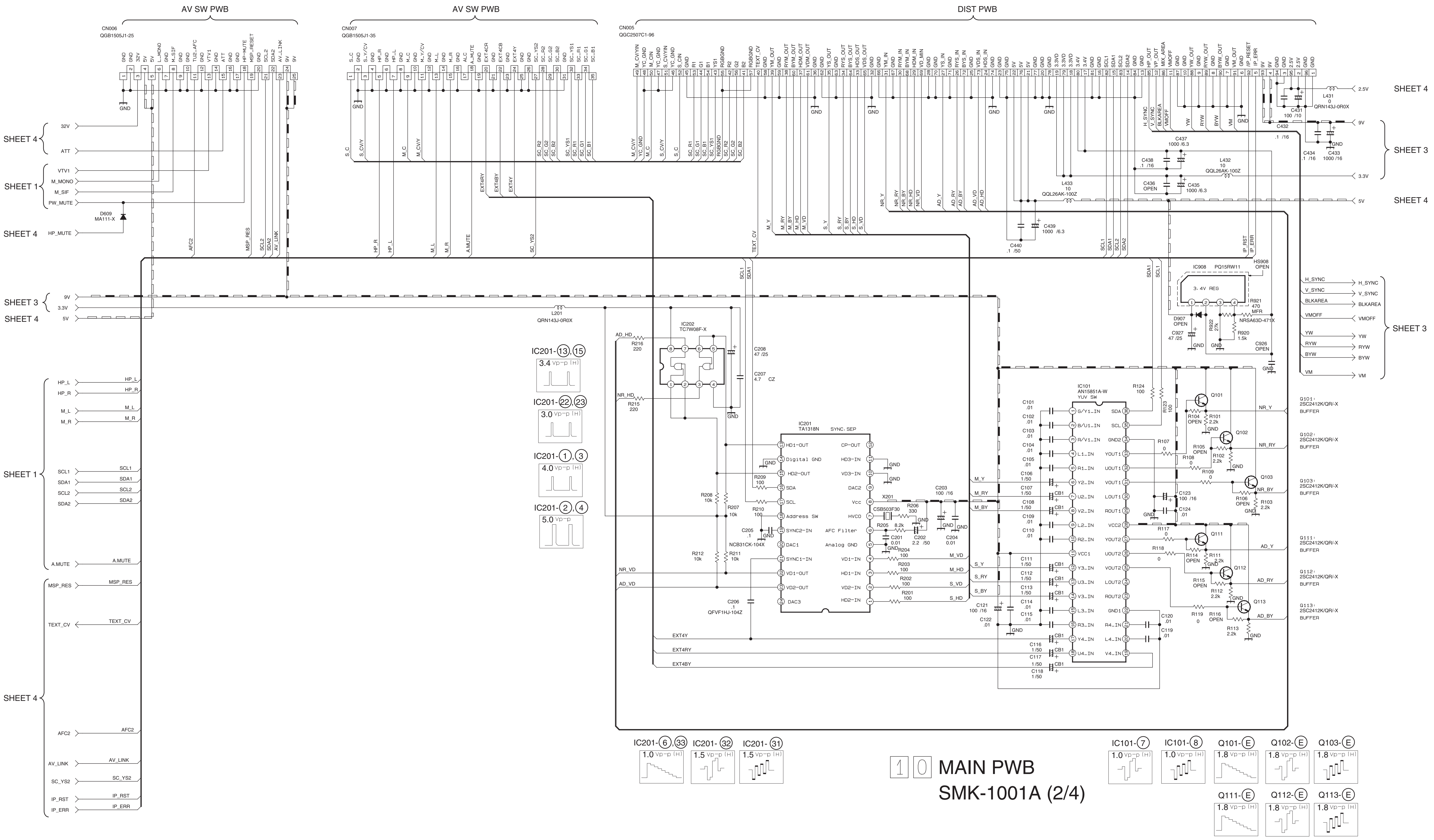
■ MAIN PWB CIRCUIT DIAGRAM (1/4) SHEET1


SHEET 4
SHEET 2
SHEET 2
SHEET 4
SHEET 4
SHEET 2
SHEET 4
TU001-16
1.8 Vp-p (H)
TU001
QAU0270-001
MAIN TUNER
M_SW0
M_SW1
32V
AGC
AFC1
SCL1
SDA1
VTV1
M_MONO
M_L
M_R
SDA2
SCL2
M_SIF
9V
5V
SUBW_SW
SUB_MUTE
LR_CEN
POWER
AMP_MUTE
A_MUTE
PROTECT
D_CLOCK
D_STAT
D_DATA
D_READY
HP_L
HP_R
A.MUTE
PW_MUTE
IE_MUTE
Q001
2SC2412K/QR/-X
BUFFER
IC601
AN7585
AUDIO OUT
(CENTER/SURROUND)
HS601 GG30028-001A-H
IC602
AN7585
AUDIO OUT
(MAIN)
HS602
LC31910-002A
CN0SC
QGA2501C5-03Z
CN0SL
QGA2501C5-04Z
CN0SW
QGA2501C5-03Z
SUB WOOFER
CN0SR
QGA2501C5-03Z
24V
STB_5V
28.5V
14V
A2.GND
IC906
AN78L18-T
IC907
AN78L05-T
CN008
QGB1505J1-25
CN018
QGB1505J1-25
DOLBY PWB
A.GND

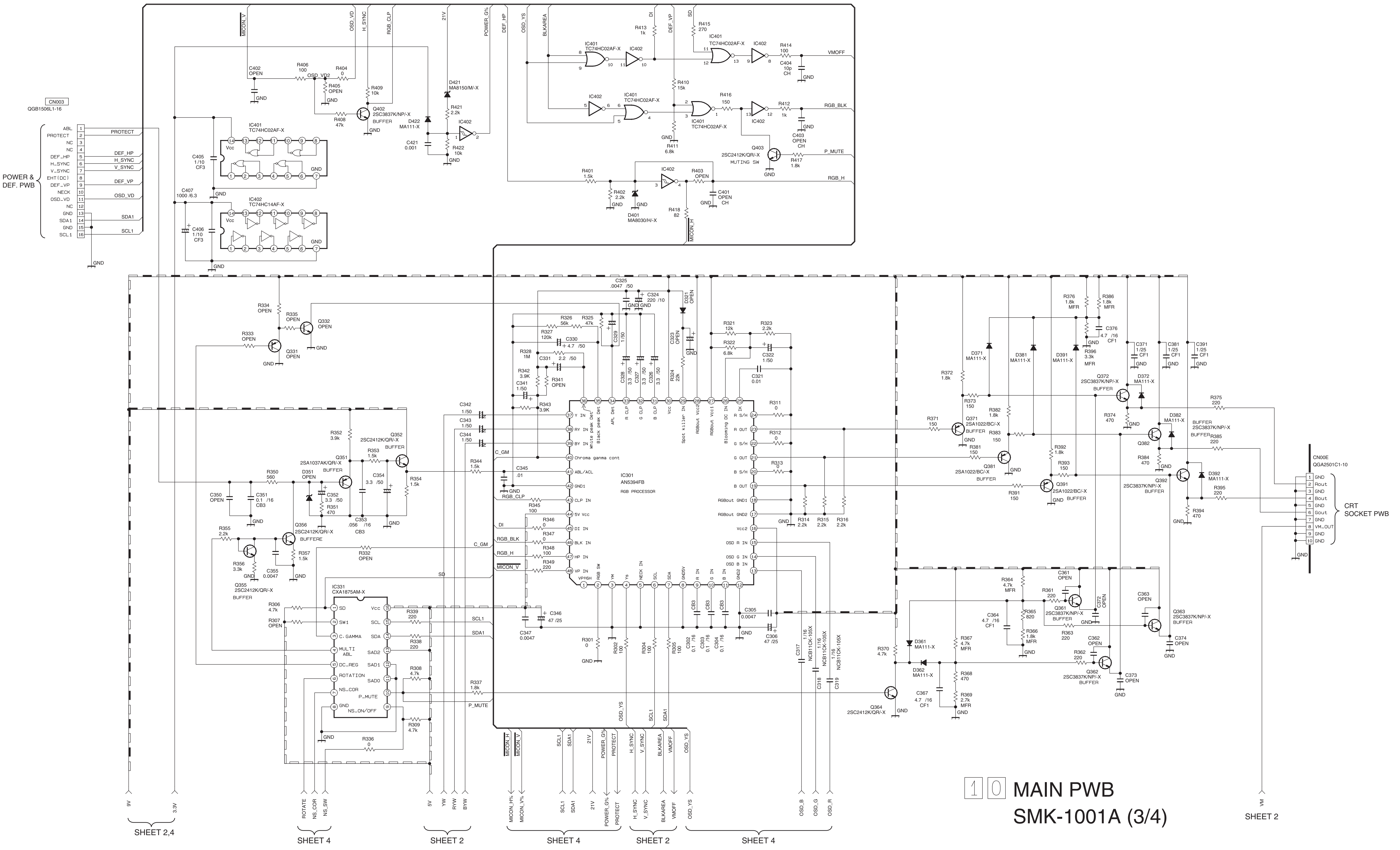
10 MAIN PWB
SMK-1001A (1/4)

■ MAIN PWB CIRCUIT DIAGRAM (2/4) SHEET2

SHEET2


AV SW PWB
CN006
QGB1505J1-25
AV SW PWB
CN007
QGB1505J1-35
DIST PWB
CN005
QGC2507C1-96
SHEET 4
SHEET 1
SHEET 3
32V
ATT
VTV1
M_MONO
M_SIF
PW_MUTE
D609
MA111-X
HP_MUTE
9V
3.3V
5V
L201
QRN143J-0R0X
HP_L
HP_R
M_L
M_R
SCL1
SDA1
SCL2
SDA2
A.MUTE
MSP_RES
TEXT_CV
AFC2
AV_LINK
SC_YS2
IP_RST
IP_ERR
IC202
TC7W08F-X
IC201
TA1318N
SYNC. SEP
X201
CSB503F30
IC101
AN15851A-W
YUV SW
IC908
PQ15RW11
3.4V REG
HS908
OPEN
L431
QRN143J-0R0X
L432
QQL26AK-100Z
L433
QQL26AK-100Z
2.5V
H_SYNC
V_SYNC
BLKAREA
VMOFF
YW
RYW
BYW
VM
Q101
2SC2412K/QR/-X
BUFFER
Q102
2SC2412K/QR/-X
BUFFER
Q103
2SC2412K/QR/-X
BUFFER
Q111
2SC2412K/QR/-X
BUFFER
Q112
2SC2412K/QR/-X
BUFFER
Q113
2SC2412K/QR/-X
BUFFER
NR_Y
NR_RY
NR_BY
AD_Y
AD_RY
AD_BY
M_Y
M_RY
M_BY
S_Y
S_RY
S_BY
EXT4Y
EXT4RY
EXT4BY
IC201-⑬,⑮ 3.4 Vp-p (H)
IC201-㉒,㉓ 3.0 Vp-p (H)
IC201-①,③ 4.0 Vp-p (H)
IC201-②,④ 5.0 Vp-p
IC201-⑥,㉝ 1.0 Vp-p (H)
IC201-㉜ 1.5 Vp-p (H)
IC201-㉛ 1.5 Vp-p (H)
IC101-⑦ 1.0 Vp-p (H)
IC101-⑧ 1.0 Vp-p (H)
Q101-Ⓔ 1.8 Vp-p (H)
Q102-Ⓔ 1.8 Vp-p (H)
Q103-Ⓔ 1.8 Vp-p (H)
Q111-Ⓔ 1.8 Vp-p (H)
Q112-Ⓔ 1.8 Vp-p (H)
Q113-Ⓔ 1.8 Vp-p (H)
10 MAIN PWB
SMK-1001A (2/4)

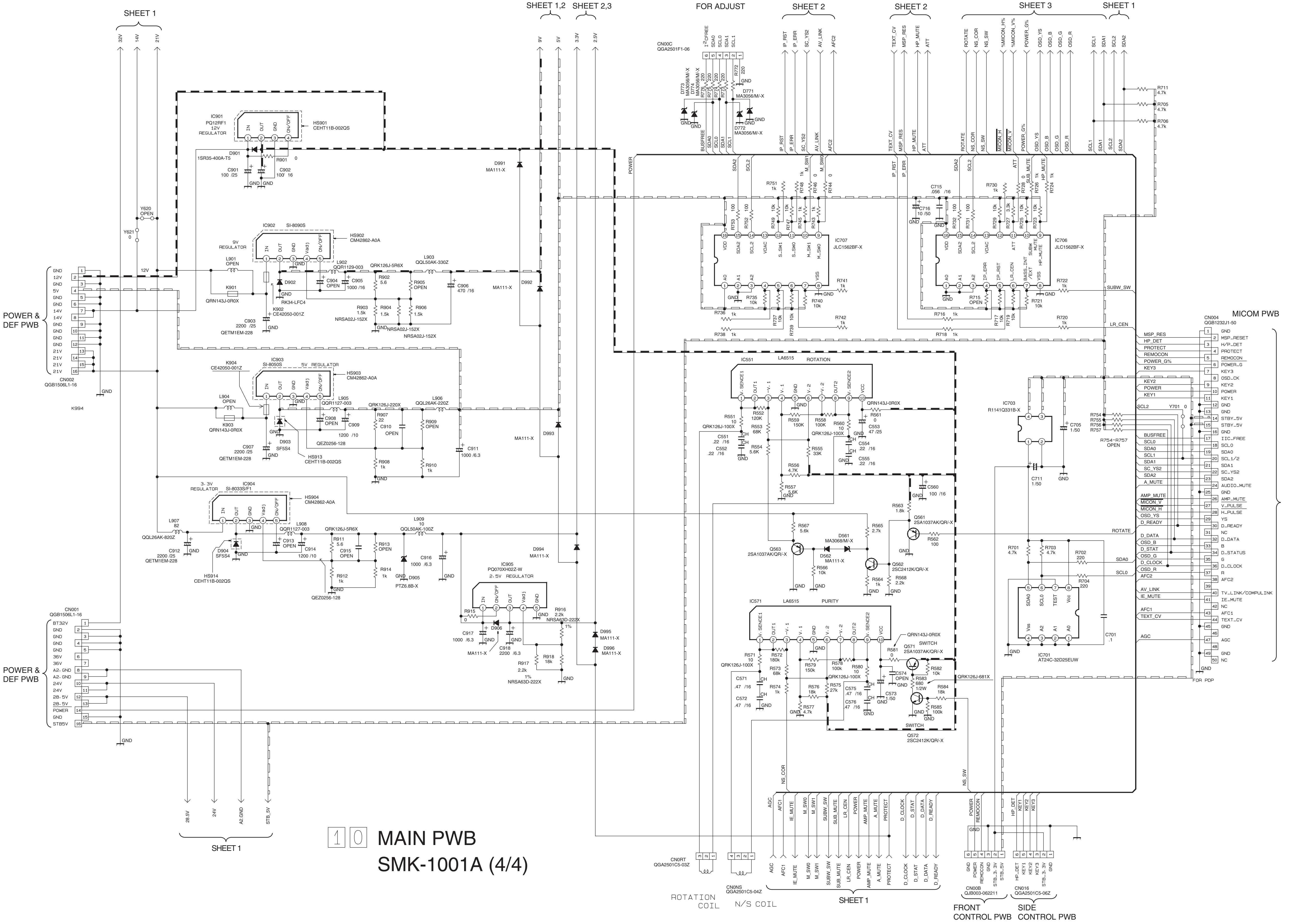
■ MAIN PWB CIRCUIT DIAGRAM (3/4) SHEET3


CN003
QGB1506L1-16
POWER &
DEF. PWB
ABL
PROTECT
NC
DEF_HP
H_SYNC
V_SYNC
EHT(DC)
DEF_VP
NECK
OSD_VD
GND
SDA1
SCL1
MICON_V
OSD_VD
H_SYNC
RGB_CLP
21V
POWER_G%
DEF_HP
OSD_YS
BLKAREA
DI
DEF_VP
SD
IC401
TC74HC02AF-X
IC402
TC74HC14AF-X
Q402
2SC3837K/NP/-X
BUFFER
D421
MA8150/M/-X
D422
MA111-X
Q403
2SC2412K/QR/-X
MUTING SW
D401
MA8030/H/-X
VMOFF
RGB_BLK
P_MUTE
RGB_H
MICON_H
IC301
AN5394FB
RGB PROCESSOR
IC331
CXA1875AM-X
Q331
Q332
Q351
2SA1037AK/QR/-X
BUFFER
Q352
2SC2412K/QR/-X
BUFFER
Q355
2SC2412K/QR/-X
BUFFER
Q356
2SC2412K/QR/-X
BUFFERE
D351
C_GM
RGB_CLP
DI
RGB_BLK
RGB_H
MICON_V
SCL1
SDA1
P_MUTE
Q371
2SA1022/BC/-X
BUFFER
Q372
2SC3837K/NP/-X
BUFFER
Q381
2SA1022/BC/-X
BUFFER
Q382
BUFFER
2SC3837K/NP/-X
Q391
2SA1022/BC/-X
BUFFER
Q392
2SC3837K/NP/-X
BUFFER
D371
MA111-X
D381
MA111-X
D391
MA111-X
D372
MA111-X
D382
MA111-X
D392
MA111-X
CN00E
QGA2501C1-10
CRT
SOCKET PWB
GND
Rout
Bout
Gout
VM_OUT
Q361
2SC3837K/NP/-X
BUFFER
Q362
2SC3837K/NP/-X
BUFFER
Q363
2SC3837K/NP/-X
BUFFER
Q364
2SC2412K/QR/-X
D361
MA111-X
D362
MA111-X
9V
3.3V
SHEET 2,4
ROTATE
NS_COR
NS_SW
SHEET 4
5V
YW
RYW
BYW
SHEET 2
MICON_H%
MICON_V%
SCL1
SDA1
21V
POWER_G%
PROTECT
SHEET 4
H_SYNC
V_SYNC
BLKAREA
VMOFF
SHEET 2
OSD_YS
OSD_B
OSD_G
OSD_R
SHEET 4
VM
SHEET 2

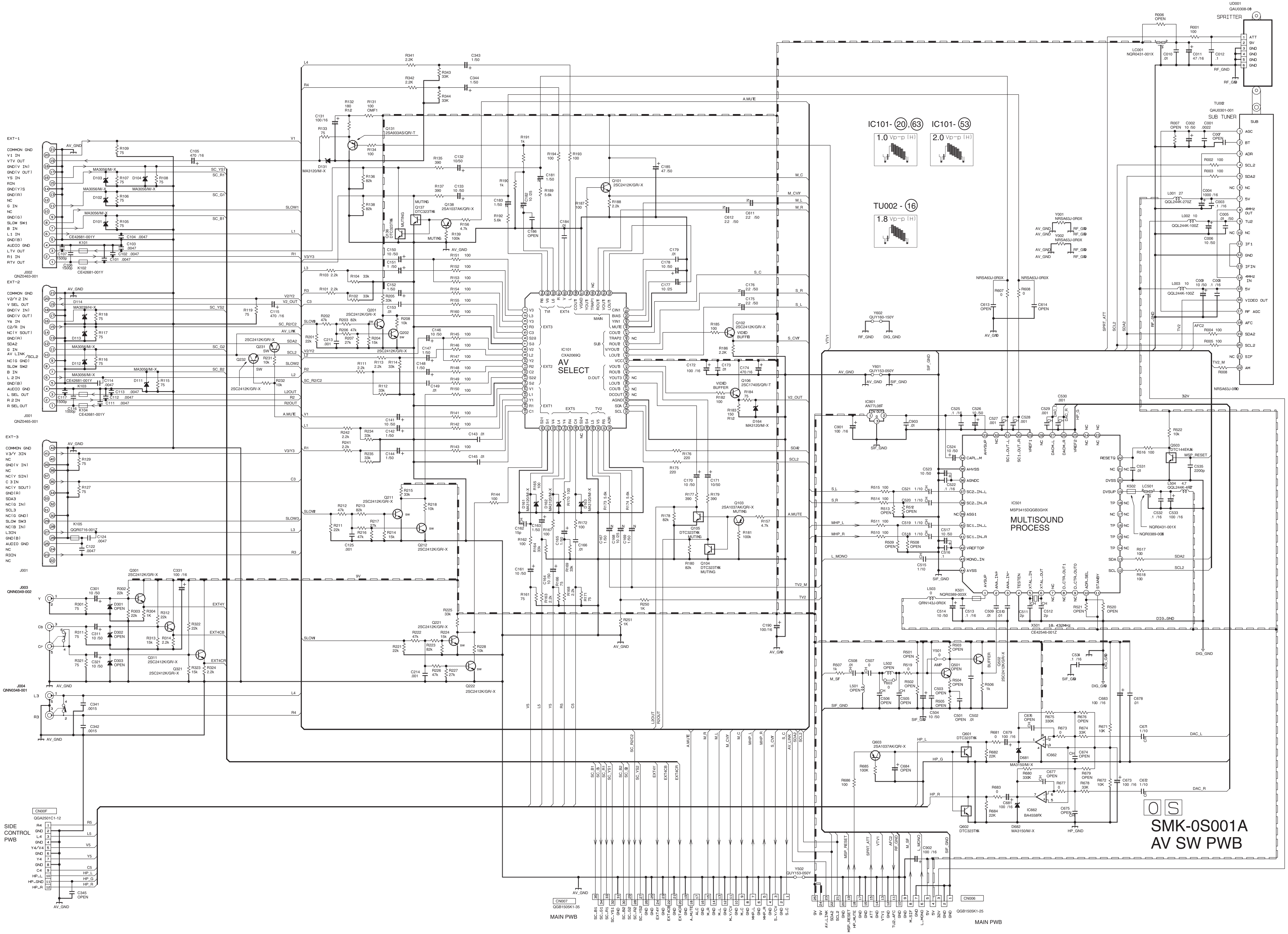
10 MAIN PWB
SMK-1001A (3/4)

■ MAIN PWB CIRCUIT DIAGRAM (4/4) SHEET4

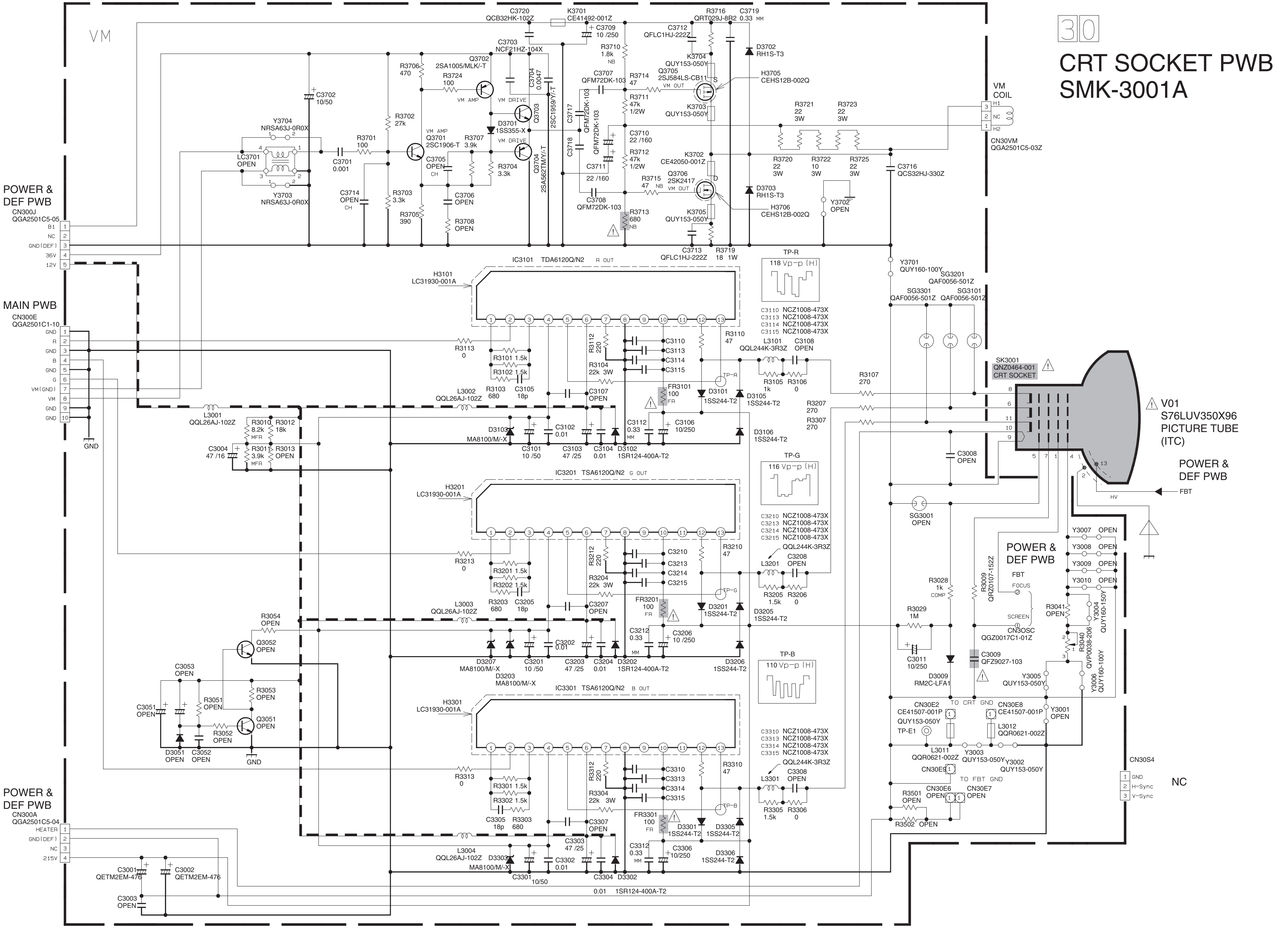
SHEET4


SHEET 1
32V
14V
21V
SHEET 1,2
SHEET 2,3
9V
5V
3.3V
2.5V
FOR ADJUST
SHEET 2
SHEET 2
SHEET 3
SHEET 1
CN00C
QGA2501F1-06
I²CFREE
SDA0
SCL0
SDA1
SCL1
IP_RST
IP_ERR
SC_YS2
AV_LINK
AFC2
TEXT_CV
MSP_RES
HP_MUTE
ATT
ROTATE
NS_COR
NS_SW
%MICON_H%
%MICON_V%
POWER_G%
OSD_YS
OSD_B
OSD_G
OSD_R
SCL1
SDA1
SCL2
SDA2
IC901
PQ12RF1
12V REGULATOR
HS901
CEHT11B-002QS
D901
1SR35-400A-T5
C901
100 /25
C902
100 /16
R901
0
D991
MA111-X
Y620
OPEN
Y621
0
IC902
SI-8090S
9V REGULATOR
HS902
CM42862-A0A
L901
OPEN
K901
QRN143J-0R0X
D902
RK34-LFC4
K902
CE42050-001Z
C903
2200 /25
QETM1EM-228
L902
QQR1129-003
QRK126J-5R6X
L903
QQL50AK-330Z
C904
OPEN
C905
1000 /16
R902
5.6
R903
1.5k
NRSA02J-152X
R904
1.5k
R905
OPEN
R906
1.5k
C906
470 /16
D992
MA111-X
POWER &
DEF PWB
CN002
QGB1506L1-16
GND
12V
GND
5V
GND
GND
14V
14V
GND
GND
GND
GND
21V
21V
21V
21V
K994
IC903
SI-8050S
5V REGULATOR
K904
CE42050-001Z
HS903
CM42862-A0A
L904
OPEN
K903
QRN143J-0R0X
D903
SFS54
C907
2200 /25
QETM1EM-228
HS913
CEHT11B-002QS
L905
QQR1127-003
QRK126J-220X
L906
QQL26AK-220Z
C908
OPEN
C909
1200 /10
QEZ0256-128
R907
22
C910
OPEN
R909
OPEN
R908
1k
R910
1k
C911
1000 /6.3
D993
MA111-X
IC904
SI-8033S/F1
3.3V REGULATOR
HS904
CM42862-A0A
L907
82
QQL26AK-820Z
C912
2200 /25
QETM1EM-228
D904
SFS54
HS914
CEHT11B-002QS
L908
QQR1127-003
QRK126J-5R6X
C913
OPEN
C914
1200 /10
R911
5.6
C915
OPEN
R912
1k
QEZ0256-128
R913
OPEN
R914
1k
L909
10
QQL50AK-100Z
D905
PTZ6.8B-X
C916
1000 /6.3
D994
MA111-X
IC905
PQ070XH02Z-W
2.5V REGULATOR
R915
0
D906
MA111-X
C917
1000 /6.3
C918
2200 /6.3
R916
2.2k
NRSA63D-222X
R917
2.2k
NRSA63D-222X
R918
18k
D995
MA111-X
D996
MA111-X
CN001
QGB1506L1-16
BT32V
GND
GND
GND
GND
36V
36V
A2.GND
A2.GND
24V
24V
28.5V
28.5V
POWER
GND
STB5V
POWER &
DEF PWB
28.5V
24V
A2 GND
STB_5V
SHEET 1
D773
MA3056/M/-X
D774
MA3056/M/-X
R770
R771
R773
R774
220
R772
220
D771
MA3056/M/-X
D772
MA3056/M/-X
BUSFREE
POWER
IC707
JLC1562BF-X
IC706
JLC1562BF-X
VDD
SDA2
SCL2
VDAC
S_SW1
S_SW0
M_SW1
M_SW0
A0
A1
A2
VSS
ATT
SUB_MUTE
HP_MUTE
IP_ERR
IP_RST
BASS_INT
LR_CEN
R751
1k
R748
R746
R744
R753
100
R752
100
R749
10k
R747
10k
R745
1k
R743
1k
R741
1k
R735
10k
R736
1k
R737
10k
R739
10k
R740
10k
R742
1k
R738
1k
C715
.056 /16
C716
10 /50
R730
1k
R728
R726
R724
R732
100
R731
100
R729
10k
R727
3.3k
R725
10k
R723
10k
R722
1k
R715
OPEN
R721
10k
R716
1k
R717
10k
R719
10k
R720
1k
R718
1k
SUBW_SW
LR_CEN
R711
4.7k
R705
4.7k
R706
4.7k
IC551
LA6515
ROTATION
V_SENCE1
OUT1
-V_1
+V_1
GND
+V_2
-V_2
OUT2
V_SENCE2
VCC
QRN143J-0R0X
R551
10
QRK126J-100X
R552
120K
R553
68K
R554
5.6K
R559
150K
R558
100K
R560
10
QRK126J-100X
R561
0
C553
47 /25
C551
.22 /16
C552
.22 /16
C554
.22 /16
C555
.22 /16
R555
33K
R556
4.7K
R557
1.8K
C560
100 /16
R563
1.8k
Q561
2SA1037AK/QR/-X
R562
100
R567
5.6k
D561
MA3068/M/-X
R565
2.7k
Q563
2SA1037AK/QR/-X
D562
MA111-X
R566
10k
Q562
2SC2412K/QR/-X
R564
1k
R568
2.2k
SWITCH
IC571
LA6515
PURITY
QRN143J-0R0X
R571
10
QRK126J-100X
R572
180k
R573
68k
R574
1k
R579
150k
R578
100k
R580
10
QRK126J-100X
R575
27k
R576
18k
R577
4.7k
C571
.47 /16
C572
.47 /16
C575
.47 /16
C576
.47 /16
R581
0
Q571
2SA1037AK/QR/-X
SWITCH
C574
OPEN
R583
680
1/2W
R582
10k
C573
1 /50
R584
18k
R585
100k
Q572
2SC2412K/QR/-X
QRK126J-681X
IC703
R1141Q331B-X
C705
1 /50
C711
1 /50
R754
R755
R756
R757
R754~R757
OPEN
R701
4.7k
R703
4.7k
R702
220
R704
220
SDA0
SCL0
IC701
AT24C-32D25EUW
SDA0
SCL0
TEST
Vcc
Vss
A2
A1
A0
C701
.1
Y701
0
MICOM PWB
CN004
QGB1232J1-50
MSP_RES
HP_DET
PROTECT
REMOCON
POWER_G%
KEY3
KEY2
POWER
KEY1
SCL2
BUSFREE
SCL0
SDA0
SCL1
SDA1
SC_YS2
SDA2
A_MUTE
AMP_MUTE
MICON_V
MICON_H
OSD_YS
D_READY
ROTATE
D_DATA
OSD_B
D_STAT
OSD_G
D_CLOCK
OSD_R
AFC2
AV_LINK
IE_MUTE
AFC1
TEXT_CV
AGC
GND
MSP_RESET
H/P_DET
PROTECT
REMOCON
POWER_G
KEY3
OSD_CK
KEY2
POWER
KEY1
GND
GND
STBY_5V
STBY_5V
GND
IIC_FREE
SCL0
SDA0
SCL1/2
SDA1
SC_YS2
SDA2
AUDIO_MUTE
GND
AMP_MUTE
V_PULSE
H_PULSE
YS
D_READY
NC
D_DATA
B
D_STATUS
G
D_CLOCK
R
AFC2
TV_LINK/COMPULINK
IE_MUTE
NC
AFC1
TEXT_CV
GND
AGC
GND
NC
FOR PDP
NS_COR
NS_SW
AGC
AFC1
IE_MUTE
M_SW0
M_SW1
SUBW_SW
SUB_MUTE
LR_CEN
POWER
AMP_MUTE
A_MUTE
PROTECT
D_CLOCK
D_STAT
D_DATA
D_READY
POWER
REMOCON
HP_DET
KEY1
KEY2
KEY3
CN0RT
QGA2501C5-03Z
ROTATION
COIL
CN0NS
QGA2501C5-04Z
N/S COIL
SHEET 1
GND
POWER
REMOCON
GND
STB_3.3V
STB_5V
CN00B
QJB003-062211
FRONT
CONTROL PWB
HP_DET
KEY1
KEY2
KEY3
STB_3.3V
GND
CN016
QGA2501C5-06Z
SIDE
CONTROL PWB
10 MAIN PWB
SMK-1001A (4/4)

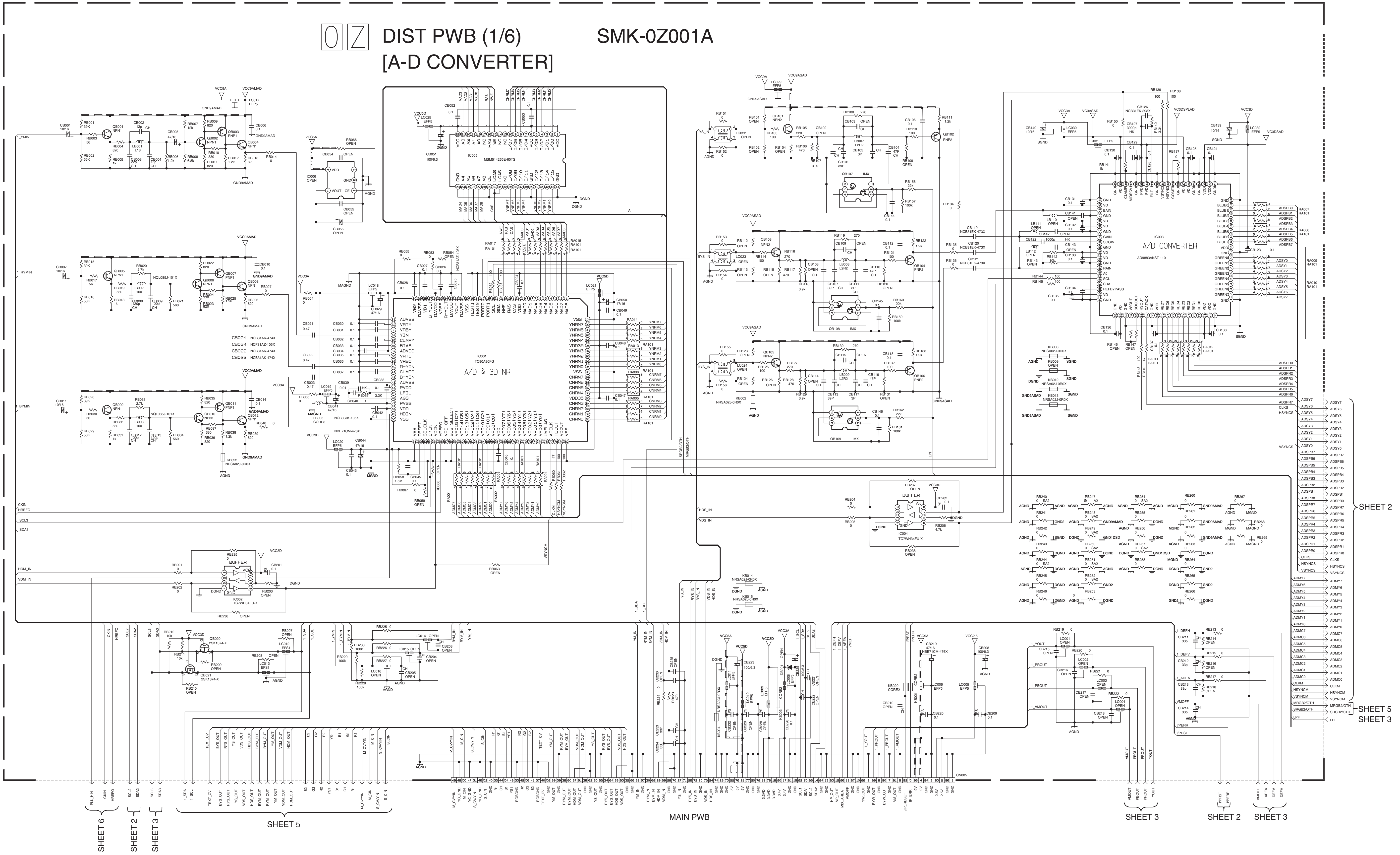
■ AV SW PWB CIRCUIT DIAGRAM


EXT-1
EXT-2
EXT-3
J001
J002
QNZ0463-001
QNZ0465-001
J003
QNN0349-002
J004
QNN0348-001
IC101
CXA2069Q
AV SELECT
IC101-⑳,㊸ 1.0 Vp-p (H)
IC101-㊼ 2.0 Vp-p (H)
TU002-⑯ 1.8 Vp-p (H)
UD001
QAU0308-001
SPRITTER
TU002
QAU0301-001
SUB TUNER
IC501
MSP3415DQGB3GHX
MULTISOUND PROCESS
IC901
AN77L08T
IC662
BA4558FX
SIDE CONTROL PWB
CN00F
QGA2501C1-12
CN007
QGB1505K1-35
MAIN PWB
CN006
QGB1505K1-25
MAIN PWB
0S
SMK-0S001A
AV SW PWB

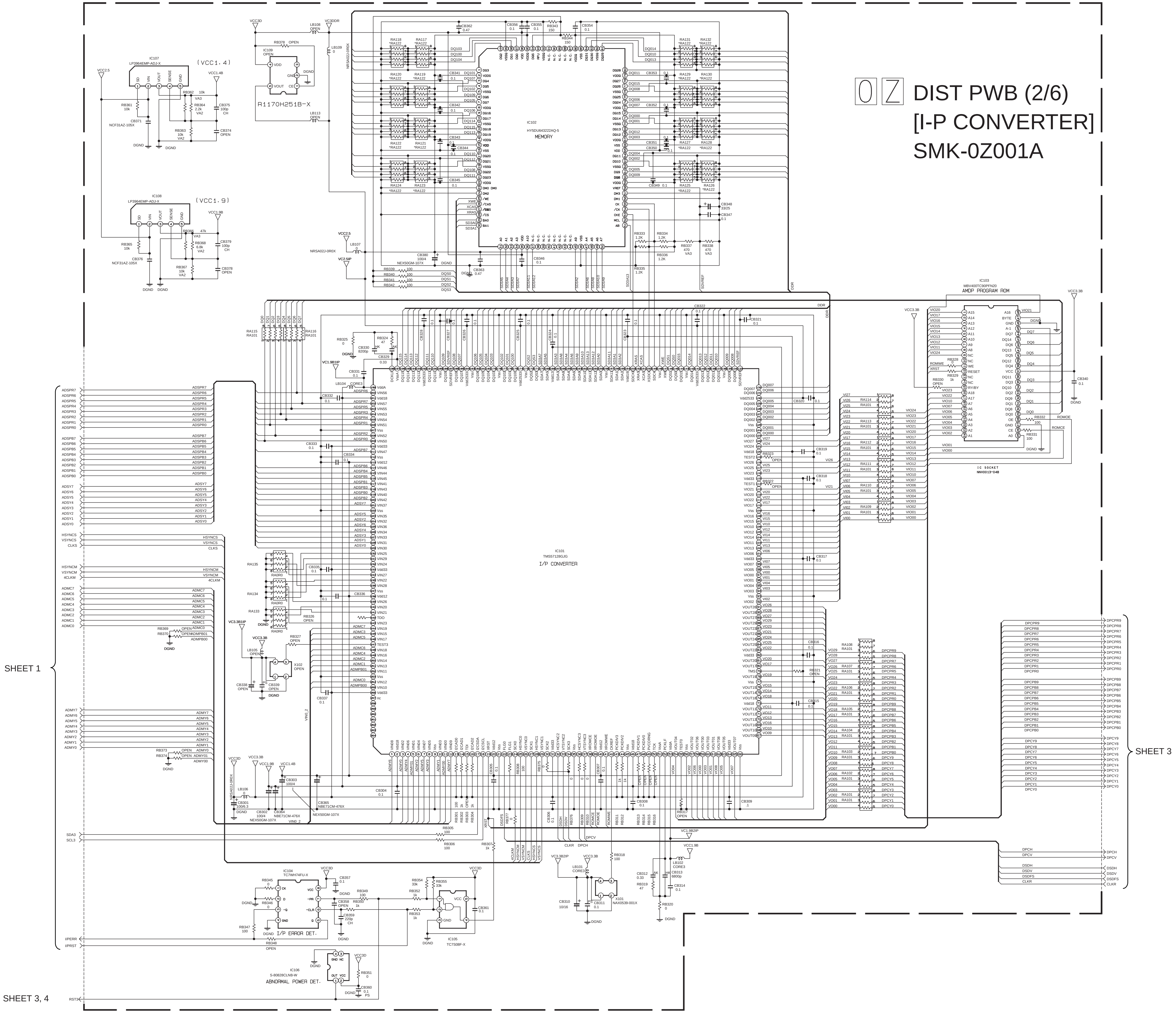
■ CRT SOCKET PWB CIRCUIT DIAGRAM


30
CRT SOCKET PWB
SMK-3001A
VM
POWER & DEF PWB
CN300J QGA2501C5-05
B1
NC
GND(DEF)
36V
12V
MAIN PWB
CN300E QGA2501C1-10
GND
R
GND
B
GND
G
VM(GND)
VM
GND
GND
GND
POWER & DEF PWB
CN300A QGA2501C5-04
HEATER
GND(DEF)
NC
215V
C3001 QETM2EM-476
C3002 QETM2EM-476
C3003 OPEN
C3720 QCB32HK-102Z
K3701 CE41492-001Z
C3709 10 /250
R3716 QRT029J-8R2
C3719 0.33 MM
C3712 QFLC1HJ-222Z
C3703 NCF21HZ-104X
Q3702 2SA1005/MLK/-T
R3724 100
VM AMP
VM DRIVE
Q3703 2SC1959/Y/-T
Q3701 2SC1906-T
Q3704 2SA562TM/Y/-T
D3701 1SS355-X
C3702 10/50
Y3704 NRSA63J-0R0X
Y3703 NRSA63J-0R0X
LC3701 OPEN
C3701 0.001
R3701 100
R3702 27k
R3703 3.3k
R3704 3.3k
R3705 390
R3706 470
R3707 3.9k
R3708 OPEN
C3705 OPEN
C3706 OPEN
C3714 OPEN
C3704 0.0047
C3707 QFM72DK-103
C3708 QFM72DK-103
C3711 22 /160
C3710 22 /160
C3717
C3718
R3710 1.8k
R3711 47k 1/2W
R3712 47k 1/2W
R3713 680
R3714 47
R3715 47
K3704 QUY153-050Y
K3703 QUY153-050Y
K3705 QUY153-050Y
K3702 CE42050-001Z
Q3705 2SJ584LS-CB11
Q3706 2SK2417
VM OUT
D3702 RH1S-T3
D3703 RH1S-T3
H3705 CEHS12B-002Q
H3706 CEHS12B-002Q
C3713 QFLC1HJ-222Z
R3719 18 1W
R3721 22 3W
R3723 22 3W
R3720 22 3W
R3722 10 3W
R3725 22 3W
C3716 QCS32HJ-330Z
Y3702 OPEN
VM COIL
CN30VM QGA2501C5-03Z
Y3701 QUY160-100Y
SG3201 QAF0056-501Z
SG3301 QAF0056-501Z
SG3101 QAF0056-501Z
IC3101 TDA6120Q/N2 R OUT
H3101 LC31930-001A
TP-R 118 Vp-p (H)
C3110 NCZ1008-473X
C3113 NCZ1008-473X
C3114 NCZ1008-473X
C3115 NCZ1008-473X
R3110 47
L3101 QQL244K-3R3Z
C3108 OPEN
R3105 1k
R3106 0
R3107 270
R3207 270
R3307 270
R3113 0
R3101 1.5k
R3102 1.5k
R3112 220
R3104 22k 3W
R3103 680
C3105 18p
C3107 OPEN
FR3101 100 FR
D3101 1SS244-T2
D3105 1SS244-T2
L3002 QQL26AJ-102Z
L3001 QQL26AJ-102Z
R3010 8.2k MFR
R3012 18k
R3011 3.9k MFR
R3013 OPEN
C3004 47 /16
D3103 MA8100/M/-X
C3101 10 /50
C3102 0.01
C3103 47 /25
C3104 0.01
D3102 1SR124-400A-T2
C3112 0.33 MM
C3106 10/250
D3106 1SS244-T2
SK3001 QNZ0464-001 CRT SOCKET
V01 S76LUV350X96 PICTURE TUBE (ITC)
C3008 OPEN
POWER & DEF PWB
FBT
HV
TP-G 116 Vp-p (H)
IC3201 TSA6120Q/N2 G OUT
H3201 LC31930-001A
C3210 NCZ1008-473X
C3213 NCZ1008-473X
C3214 NCZ1008-473X
C3215 NCZ1008-473X
QQL244K-3R3Z
L3201
C3208 OPEN
R3210 47
R3205 1.5k
R3206 0
R3213 0
R3201 1.5k
R3202 1.5k
R3212 220
R3204 22k 3W
R3203 680
C3205 18p
C3207 OPEN
FR3201 100 FR
D3201 1SS244-T2
D3205 1SS244-T2
L3003 QQL26AJ-102Z
SG3001 OPEN
R3028 1k COMP
R3029 1M
R3009 QRZ0107-152Z
POWER & DEF PWB
FBT
FOCUS
SCREEN
CN30SC QGZ0017C1-01Z
Y3007 OPEN
Y3008 OPEN
Y3009 OPEN
Y3010 OPEN
R3041 OPEN
Y3004 QUY160-150Y
R3040 QVP0038-206
Y3006 QUY160-100Y
C3011 10/250
C3009 QFZ9027-103
D3009 RM2C-LFA1
Y3005 QUY153-050Y
R3054 OPEN
Q3052 OPEN
C3053 OPEN
R3053 OPEN
R3051 OPEN
C3051 OPEN
Q3051 OPEN
R3052 OPEN
D3051 OPEN
C3052 OPEN
GND
D3207 MA8100/M/-X
D3203 MA8100/M/-X
C3201 10 /50
C3202 0.01
C3203 47 /25
C3204 0.01
D3202 1SR124-400A-T2
C3212 0.33 MM
C3206 10 /250
D3206 1SS244-T2
TP-B 110 Vp-p (H)
IC3301 TSA6120Q/N2 B OUT
H3301 LC31930-001A
C3310 NCZ1008-473X
C3313 NCZ1008-473X
C3314 NCZ1008-473X
C3315 NCZ1008-473X
QQL244K-3R3Z
L3301
C3308 OPEN
R3310 47
R3305 1.5k
R3306 0
R3313 0
R3301 1.5k
R3302 1.5k
R3312 220
R3304 22k 3W
C3305 18p
R3303 680
C3307 OPEN
FR3301 100 FR
D3301 1SS244-T2
D3305 1SS244-T2
L3004 QQL26AJ-102Z
D3303 MA8100/M/-X
C3303 47 /25
C3302 0.01
C3301 10/50
C3304 0.01
D3302 1SR124-400A-T2
C3312 0.33 MM
C3306 10/250
D3306 1SS244-T2
CN30E2 CE41507-001P
QUY153-050Y
TO CRT GND
CN30E8 CE41507-001P
Y3001 OPEN
TP-E1
L3012 QQR0621-002Z
L3011 QQR0621-002Z
Y3003 QUY153-050Y
Y3002 QUY153-050Y
CN30E9
TO FBT GND
R3501 OPEN
CN30E6 OPEN
CN30E7 OPEN
R3502 OPEN
CN30S4
GND
H-Sync
V-Sync
NC

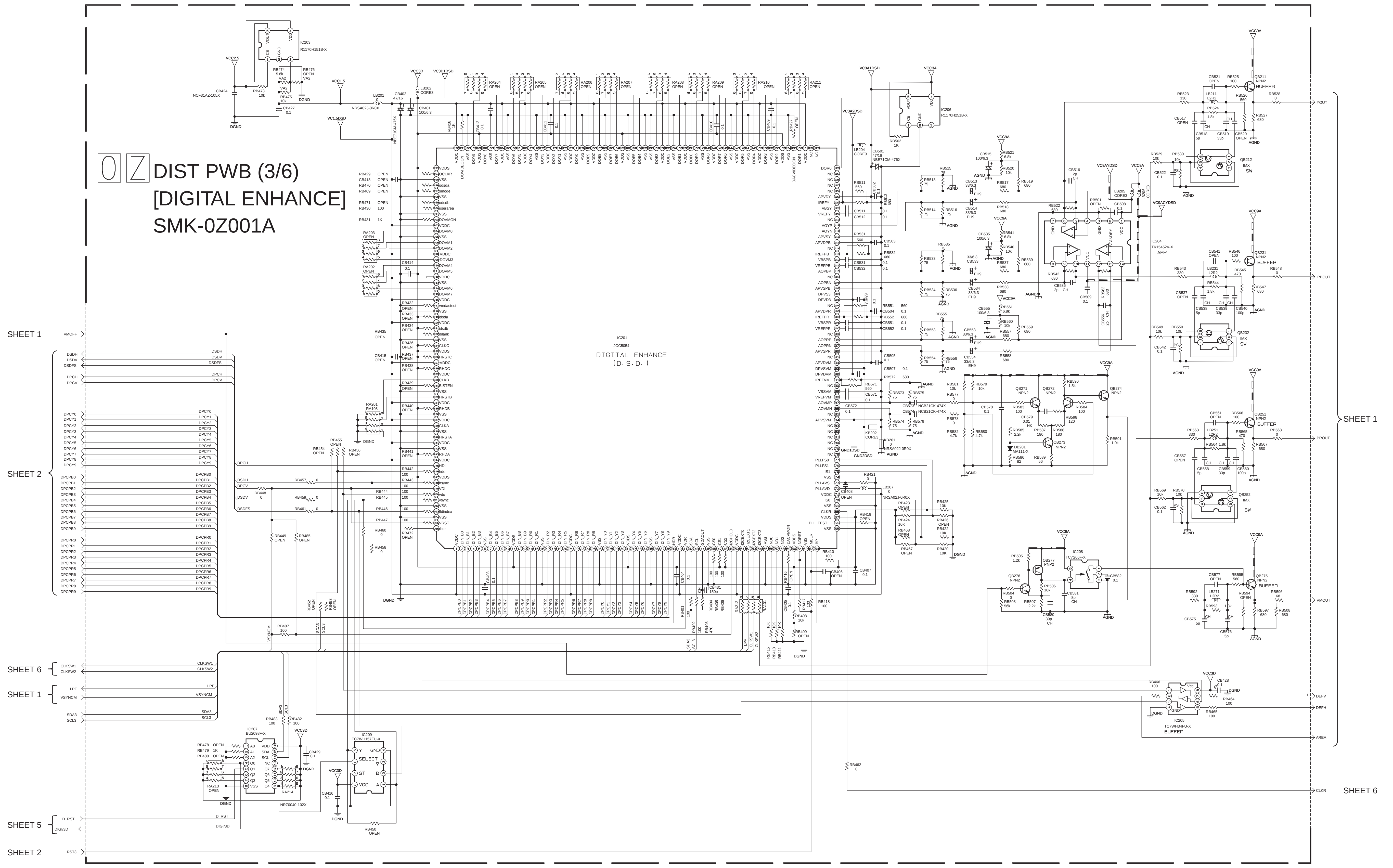
■ DIST PWB CIRCUIT DIAGRAM (1/6) SHEET1


0Z
DIST PWB (1/6)
[A-D CONVERTER]
SMK-0Z001A
IC005 MSM514265E-60TS
IC001 TC90A9FG
A/D & 3D NR
IC003 AD9883AKST-110
A/D CONVERTER
IC004 TC7WH34FU-X
BUFFER
IC002 TC7WH34FU-X
BUFFER
IC006
CN005
MAIN PWB
SHEET 2
SHEET 3
SHEET 5
SHEET 6

■ DIST PWB CIRCUIT DIAGRAM (2/6) SHEET2

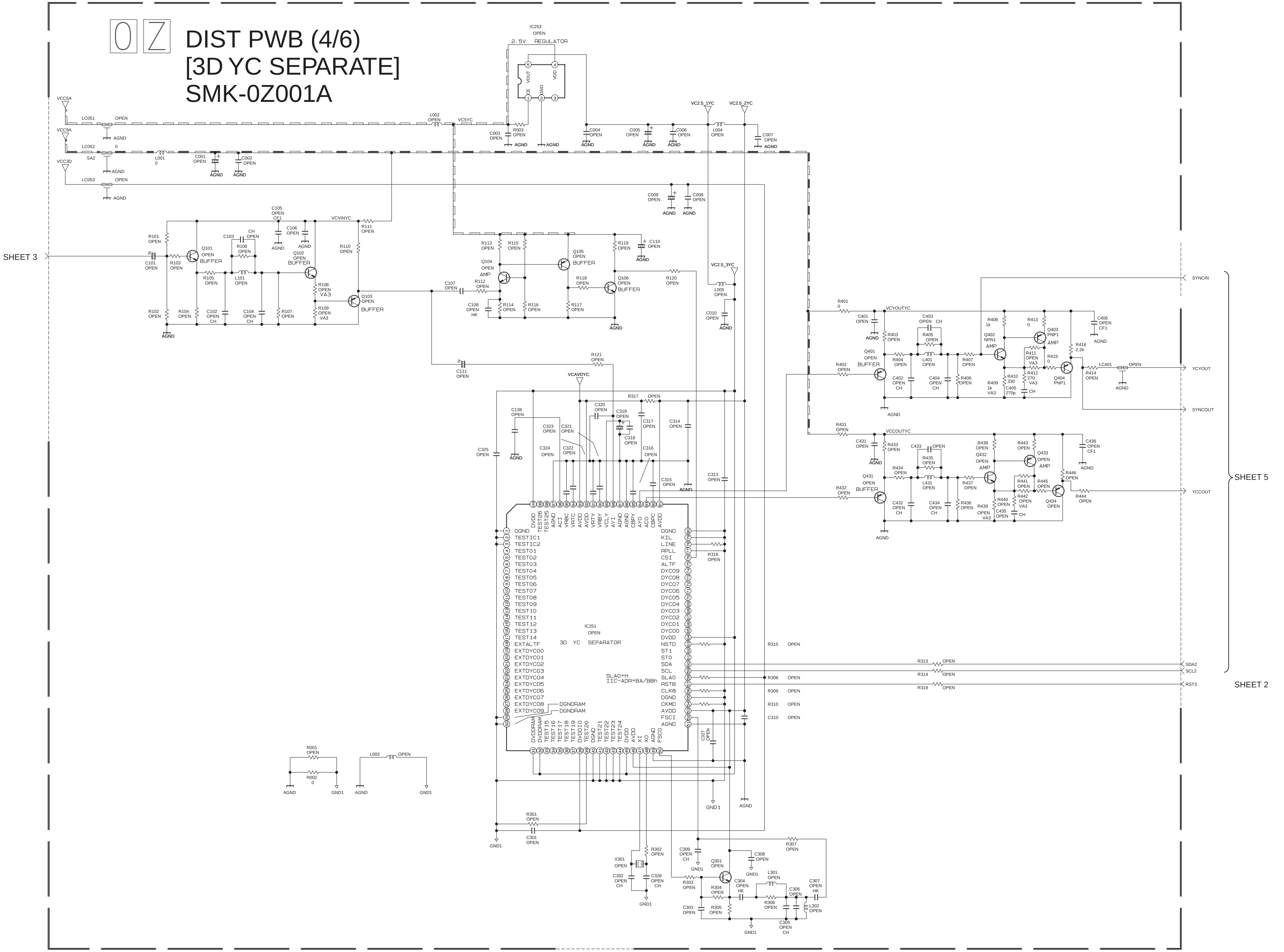

0Z DIST PWB (2/6)
[I-P CONVERTER]
SMK-0Z001A
IC107
LP3964EMP-ADJ-X
(VCC1.4)
IC108
LP3964EMP-ADJ-X
(VCC1.9)
IC109
R1170H251B-X
IC102
HY5DU643222AQ-5
MEMORY
IC101
TMS57128GJG
I/P CONVERTER
IC103
AMDIP PROGRAM ROM
IC SOCKET
IC104
TC7WH74FU-X
I/P ERROR DET.
IC105
TC7S08F-X
IC106
S-80828CLNB-W
ABNORMAL POWER DET.
X101
NAX0539-001X
X102
OPEN
SHEET 1
SHEET 3
SHEET 3, 4

■ DIST PWB CIRCUIT DIAGRAM (3/6) SHEET3


0Z DIST PWB (3/6)
[DIGITAL ENHANCE]
SMK-0Z001A
IC201
JCC5054
DIGITAL ENHANCE
(D.S.D.)
IC203
R1170H151B-X
IC206
R1170H251B-X
IC204
TK15452V-X
AMP
IC205
TC7WH34FU-X
BUFFER
IC207
BU2098F-X
IC208
TC7S66F-X
IC209
TC7WH157FU-X
QB211 NPN2 BUFFER
QB231 NPN2 BUFFER
QB251 NPN2 BUFFER
QB275 NPN2 BUFFER
QB212 IMX SW
QB232 IMX SW
QB252 IMX SW
QB271 NPN2
QB272 NPN2
QB273 NPN2
QB274 NPN2
QB276 NPN2
QB277 PNP2
DB201 MA111-X
VCC2.5
VCC1.5
VCC3D
VC3D1DSD
VC1.5DSD
VC3A1DSD
VC3A2DSD
VCC3A
VCC9A
VC9AYDSD
VC9ACYDSD
DGND
AGND
GND1DSD
GND2DSD
SHEET 1
SHEET 2
SHEET 5
SHEET 6
VMOFF
DSDH
DSDV
DSDFS
DPCH
DPCV
DPCY0
DPCY1
DPCY2
DPCY3
DPCY4
DPCY5
DPCY6
DPCY7
DPCY8
DPCY9
DPCPB0
DPCPB1
DPCPB2
DPCPB3
DPCPB4
DPCPB5
DPCPB6
DPCPB7
DPCPB8
DPCPB9
DPCPR0
DPCPR1
DPCPR2
DPCPR3
DPCPR4
DPCPR5
DPCPR6
DPCPR7
DPCPR8
DPCPR9
CLKSW1
CLKSW2
LPF
VSYNCM
SDA3
SCL3
D_RST
DIGI/3D
RST3
YOUT
PBOUT
PROUT
VMOUT
DEFV
DEFH
AREA
CLKR

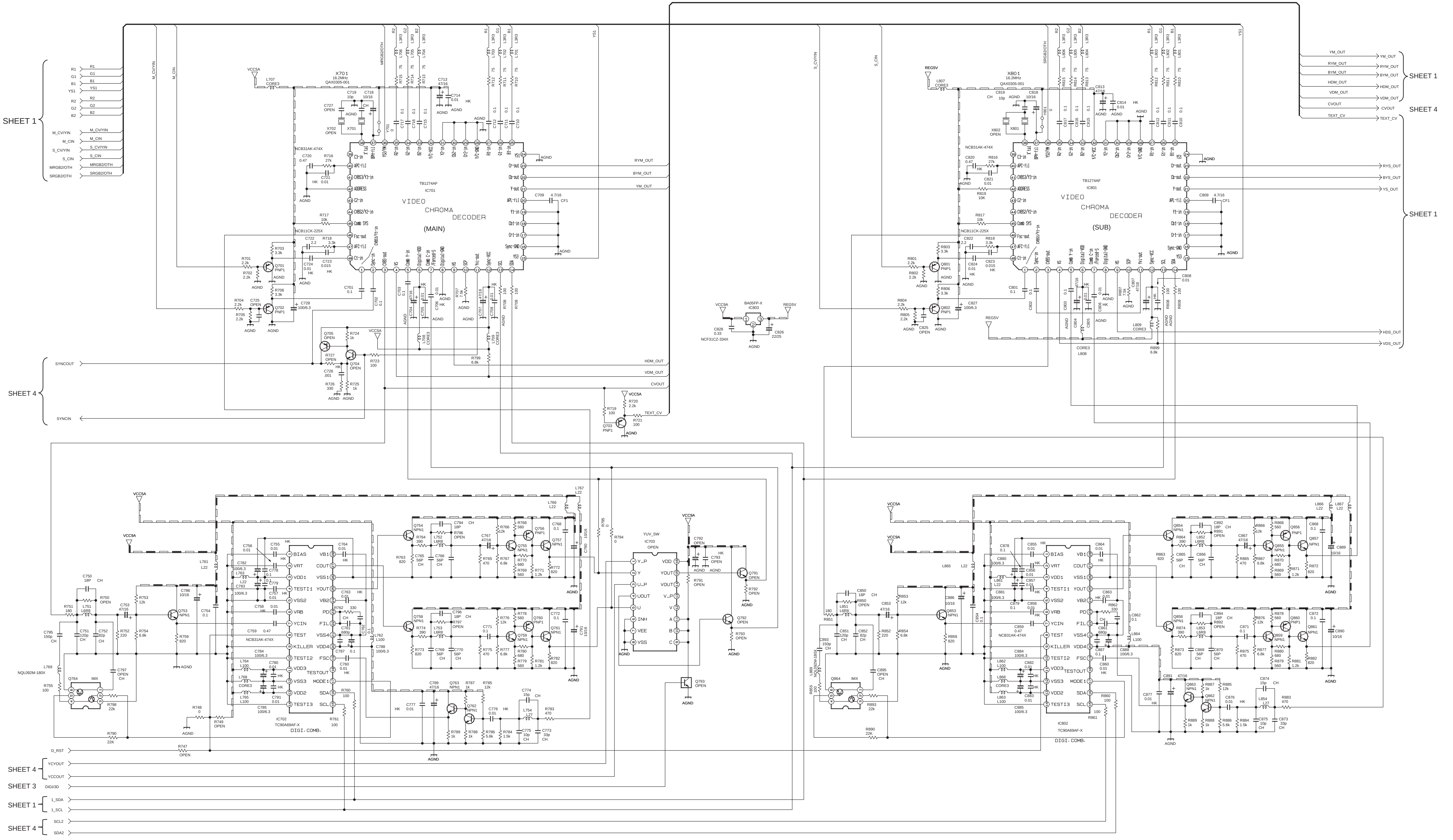
■ DIST PWB CIRCUIT DIAGRAM (4/6) SHEET4

SHEET4


0Z
DIST PWB (4/6)
[3D YC SEPARATE]
SMK-0Z001A
SHEET 3
SHEET 5
SHEET 2
IC253 OPEN
2.5V REGULATOR
VOUT
VDD
CE
GND
VCC5A
VCC9A
VCC3D
LC051 OPEN
LC052 0
LC053 OPEN
SA2
L001 0
L002 OPEN
VC5YC
C001 OPEN
C002 OPEN
C003 OPEN
R003 OPEN
C004 OPEN
C005 OPEN
C006 OPEN
L004 OPEN
C007 OPEN
C008 OPEN
C009 OPEN
C010 OPEN
L005 OPEN
VC2.5_1YC
VC2.5_2YC
VC2.5_3YC
AGND
GND1
VCVINYC
Q101 OPEN BUFFER
Q102 OPEN BUFFER
Q103 OPEN BUFFER
Q104 OPEN AMP
Q105 OPEN BUFFER
Q106 OPEN BUFFER
C101 OPEN
C102 OPEN CH
C103 CH OPEN
C104 OPEN CH
C105 OPEN CF1
C106 OPEN
C107 OPEN
C108 OPEN HK
C110 OPEN
C111 OPEN
R101 OPEN
R102 OPEN
R103 OPEN
R104 OPEN
R105 OPEN
R106 OPEN
R107 OPEN
R108 OPEN VA3
R109 OPEN VA3
R110 OPEN
R111 OPEN
R112 OPEN
R113 OPEN
R114 OPEN
R115 OPEN
R116 OPEN
R117 OPEN
R118 OPEN
R119 OPEN
R120 OPEN
R121 OPEN
L101 OPEN
VCAVDYC
VCYOUTYC
VCCOUTYC
R401 0
C401 OPEN
R402 OPEN
R403 OPEN
R404 OPEN
R405 OPEN
R406 OPEN
R407 OPEN
R408 1k
R409 1k VA3
R410 330
R411 OPEN VA3
R412 270 VA3
R413 0
R414 OPEN
R415 0
R416 2.2k
C402 OPEN CH
C403 OPEN CH
C404 OPEN CH
C405 270p CH
C406 OPEN CF1
L401 OPEN
LC401 OPEN
Q401 OPEN BUFFER
Q402 NPN1 AMP
Q403 PNP1 AMP
Q404 PNP1
R431 OPEN
C431 OPEN
R432 OPEN
R433 OPEN
R434 OPEN
R435 OPEN
R436 OPEN
R437 OPEN
R438 OPEN
R439 OPEN VA3
R440 OPEN
R441 OPEN
R442 OPEN VA3
R443 OPEN
R444 OPEN
R445 OPEN
R446 OPEN
C432 OPEN CH
C433 OPEN
C434 OPEN CH
C435 OPEN CH
C436 OPEN CF1
L431 OPEN
Q431 OPEN BUFFER
Q432 OPEN AMP
Q433 OPEN AMP
Q434 OPEN
SYNCIN
YCYOUT
SYNCOUT
YCCOUT
SDA2
SCL2
RST3
IC251 OPEN
3D YC SEPARATOR
SLA0=H
IIC-ADR=BA/BBh
DGND
TESTIC1
TESTIC2
TEST01
TEST02
TEST03
TEST04
TEST05
TEST06
TEST07
TEST08
TEST09
TEST10
TEST11
TEST12
TEST13
TEST14
EXTALTF
EXTDYC00
EXTDYC01
EXTDYC02
EXTDYC03
EXTDYC04
EXTDYC05
EXTDYC06
EXTDYC07
EXTDYC08
EXTDYC09
DGNDRAM
DVDD
TEST26
TEST25
AGND
ACI
VRBC
VRTC
AVDD
VRTY
VRBY
VCLY
AYI
CBPY
AYO
ACO
CBPC
KIL
LINE
RPLL
CSI
ALTF
DYC09
DYC08
DYC07
DYC06
DYC05
DYC04
DYC03
DYC02
DYC01
DYC00
NSTD
ST1
ST0
SDA
SCL
SLA0
RSTB
CLK8
CKMD
FSCI
DVDDRAM
TEST15
TEST16
TEST17
TEST19
DVDD10
TEST20
TEST21
TEST22
TEST23
TEST24
XI
XO
FSCO
R301 OPEN
C301 OPEN
R302 OPEN
C302 OPEN CH
C303 OPEN
R303 OPEN
R304 OPEN
C304 OPEN HK
R305 OPEN
C305 OPEN CH
R306 OPEN
C306 OPEN
R307 OPEN
C307 OPEN HK
C308 OPEN
C309 OPEN CH
L301 OPEN
L302 OPEN
Q301 OPEN
X301 OPEN
C326 OPEN CH
R308 OPEN
R309 OPEN
R310 OPEN
C310 OPEN
R313 OPEN
R314 OPEN
R315 OPEN
R316 OPEN
R317 OPEN
R319 OPEN
C313 OPEN
C314 OPEN
C315 OPEN
C316 OPEN
C317 OPEN
C318 OPEN
C319 OPEN
C320 OPEN
C321 OPEN
C322 OPEN
C323 OPEN
C324 OPEN
C325 OPEN
C327 OPEN
C138 OPEN
R001 OPEN
R002 0
L003 OPEN

■ DIST PWB CIRCUIT DIAGRAM (5/6) SHEET5

SHEET5


SHEET 1
SHEET 4
SHEET 3
R1
G1
B1
YS1
R2
G2
B2
M_CVIYIN
M_CIN
S_CVIYIN
S_CIN
MRGB2/OTH
SRGB2/OTH
SYNCOUT
SYNCIN
D_RST
YCYOUT
YCCOUT
DIGI/3D
1_SDA
1_SCL
SCL2
SDA2
VCC5A
VCC9A
REG5V
AGND
X701
16.2MHz
QAX0305-001
X801
TB1274AF
IC701
IC801
VIDEO
CHROMA
DECODER
(MAIN)
(SUB)
RYM_OUT
BYM_OUT
YM_OUT
HDM_OUT
VDM_OUT
CVOUT
TEXT_CV
YM_OUT
RYM_OUT
BYM_OUT
HDM_OUT
VDM_OUT
CVOUT
TEXT_CV
RYS_OUT
BYS_OUT
YS_OUT
HDS_OUT
VDS_OUT
BA05FP-X
IC803
NCF31CZ-334X
YUV_SW
IC703
OPEN
TC90A69AF-X
IC702
IC802
DIGI.COMB.
NCB31AK-474X
NCB11CK-225X
NQL092M-180X
Q701
Q702
Q703
Q704
Q705
Q791
Q792
Q793
Q801
Q802
BIAS
VRT
VDD1
TESTI1
VSS2
VRB
YCIN
TEST
KILLER
TESTI2
VDD3
VSS3
VDD2
TESTI3
VB1
COUT
VSS1
YOUT
VB2
PD
FIL
VSS4
VDD4
FSC
TESTOUT
MODE1
SDA
SCL
Y_P
Y
U_P
U
INH
VEE
VSS
VDD
YOUT
VOUT
V_P
V
A
B
C
CORE3
L100
L22
L27
L6R8
HK
CH

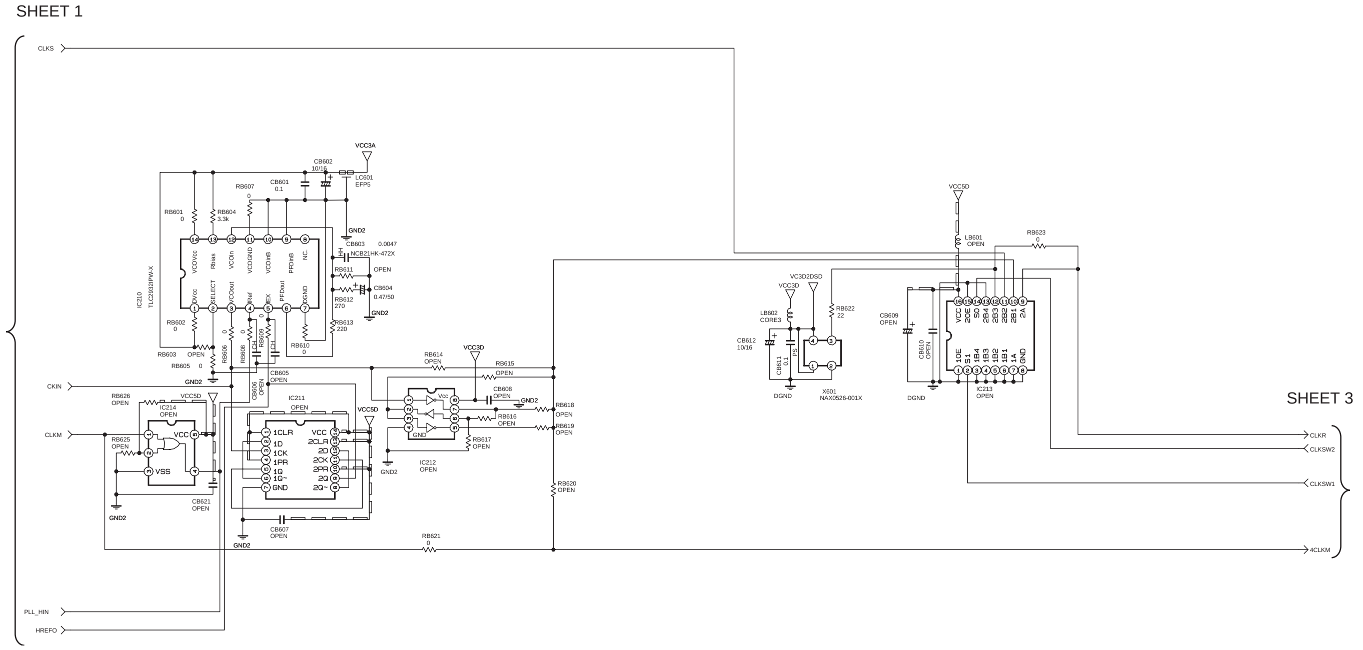
0 Z DIST PWB (5/6)
[VIDEO/CHROMA DECODER]
SMK-0Z001A

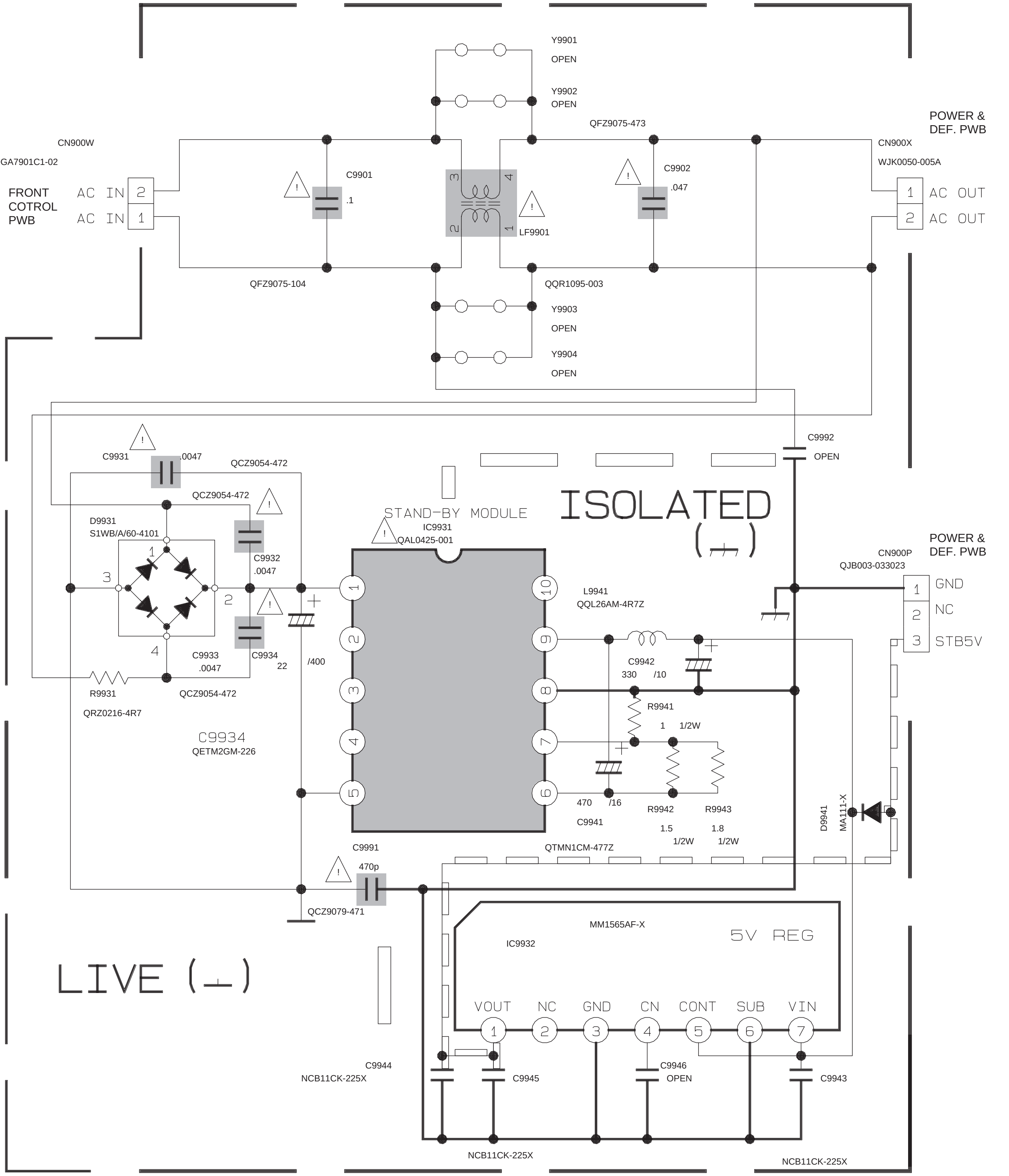
■ DIST PWB CIRCUIT DIAGRAM (6/6) SHEET6

SHEET6

■ LINE FILTER PWB CIRCUIT DIAGRAM

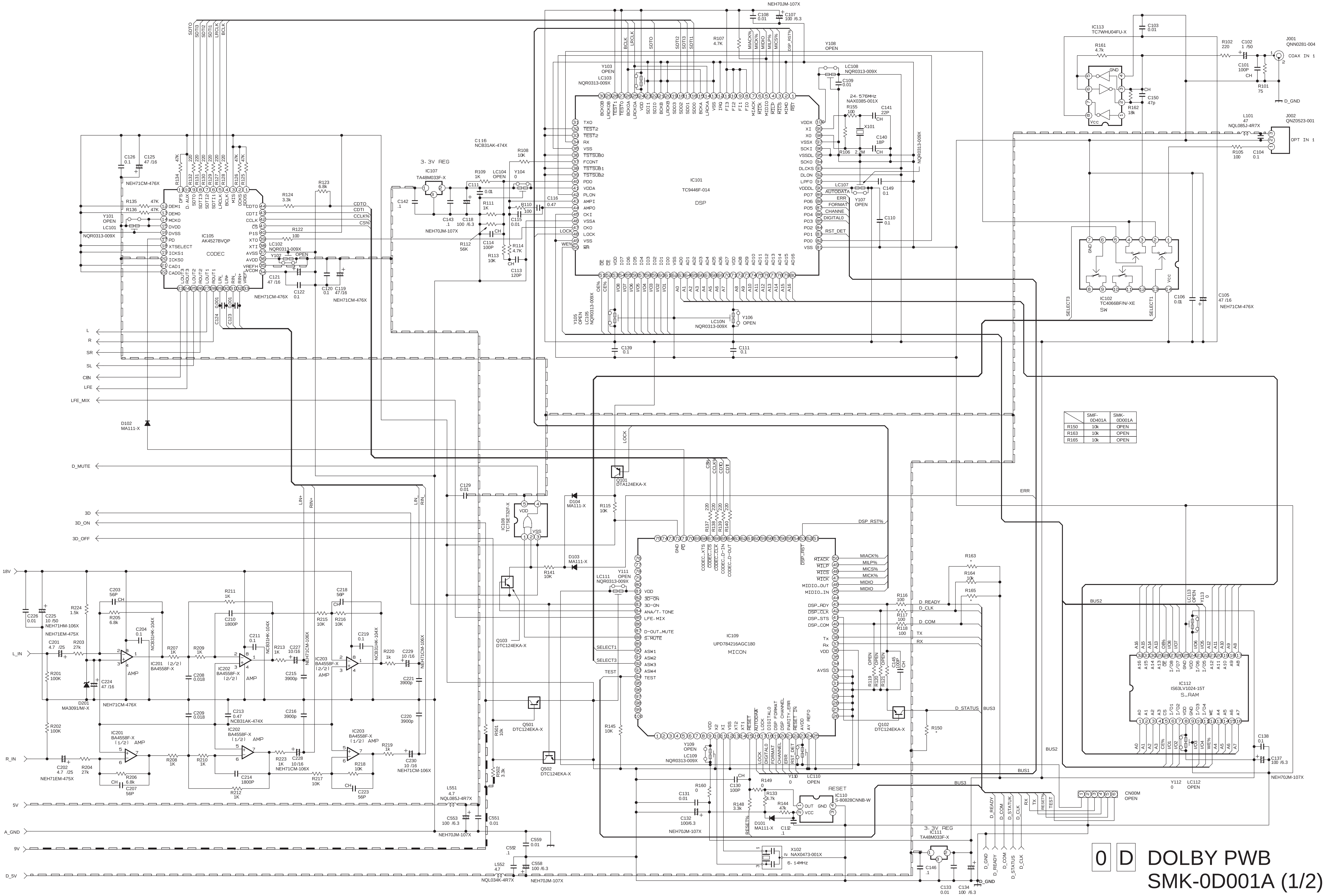
0Z
DIST PWB (6/6)
[H_PLL]
SMK-0Z001A


SHEET 1
CLKS
CKIN
CLKM
PLL_HIN
HREFO
IC210
TLC2932IPW-X
VCOVcc
Rbias
VCOin
VCOGND
VCOinB
PFDinB
NC.
DVcc
SELECT
VCOout
fRef
fEX
PFDout
DGND
RB601
0
RB604
3.3k
RB607
0
CB601
0.1
CB602
10/16
VCC3A
LC601
EFP5
GND2
CB603
0.0047
NCB21HK-472X
RB611
OPEN
CB604
0.47/50
RB612
270
RB613
220
RB610
0
RB602
0
RB603
OPEN
RB605
0
RB606
0
RB608
0
RB609
0
CH
CB605
OPEN
CB606
OPEN
IC211
OPEN
1CLR
1D
1CK
1PR
1Q
1Q~
GND
VCC
2CLR
2D
2CK
2PR
2Q
2Q~
VCC5D
CB607
OPEN
RB626
OPEN
IC214
OPEN
RB625
OPEN
VCC
VSS
CB621
OPEN
RB614
OPEN
VCC3D
RB615
OPEN
CB608
OPEN
Vcc
RB616
OPEN
RB617
OPEN
IC212
OPEN
RB618
OPEN
RB619
OPEN
RB620
OPEN
RB621
0
VCC5D
LB601
OPEN
RB623
0
VC3D2DSD
VCC3D
LB602
CORE3
RB622
22
CB612
10/16
CB611
0.1
PS
X601
NAX0526-001X
DGND
CB609
OPEN
CB610
OPEN
VCC
2OE
S0
2B4
2B3
2B2
2B1
2A
1OE
S1
1B4
1B3
1B2
1B1
1A
GND
IC213
OPEN
SHEET 3
CLKR
CLKSW2
CLKSW1
4CLKM


Y9901
OPEN
Y9902
OPEN
QFZ9075-473
POWER &
DEF. PWB
CN900W
QGA7901C1-02
CN900X
WJK0050-005A
FRONT
COTROL
PWB
AC IN 2
AC IN 1
C9901
.1
3
4
2
1
LF9901
C9902
.047
1 AC OUT
2 AC OUT
QFZ9075-104
QQR1095-003
Y9903
OPEN
Y9904
OPEN
C9992
OPEN
C9931
.0047
QCZ9054-472
QCZ9054-472
D9931
S1WB/A60-4101
1
2
3
4
C9932
.0047
C9933
.0047
C9934
22
/400
R9931
QRZ0216-4R7
QCZ9054-472
C9934
QETM2GM-226
STAND-BY MODULE
IC9931
QAL0425-001
ISOLATED (⊥)
1
2
3
4
5
10
9
8
7
6
L9941
QQL26AM-4R7Z
C9942
330 /10
R9941
1 1/2W
470 /16
C9941
R9942
1.5
1/2W
R9943
1.8
1/2W
QTMN1CM-477Z
POWER &
DEF. PWB
CN900P
QJB003-033023
1 GND
2 NC
3 STB5V
D9941
MA111-X
C9991
470p
QCZ9079-471
LIVE (⊥)
MM1565AF-X
IC9932
5V REG
VOUT
NC
GND
CN
CONT
SUB
VIN
1
2
3
4
5
6
7
C9944
NCB11CK-225X
C9945
C9946
OPEN
C9943
NCB11CK-225X
NCB11CK-225X

9 0
LINE FILTER PWB
SMK-9001A

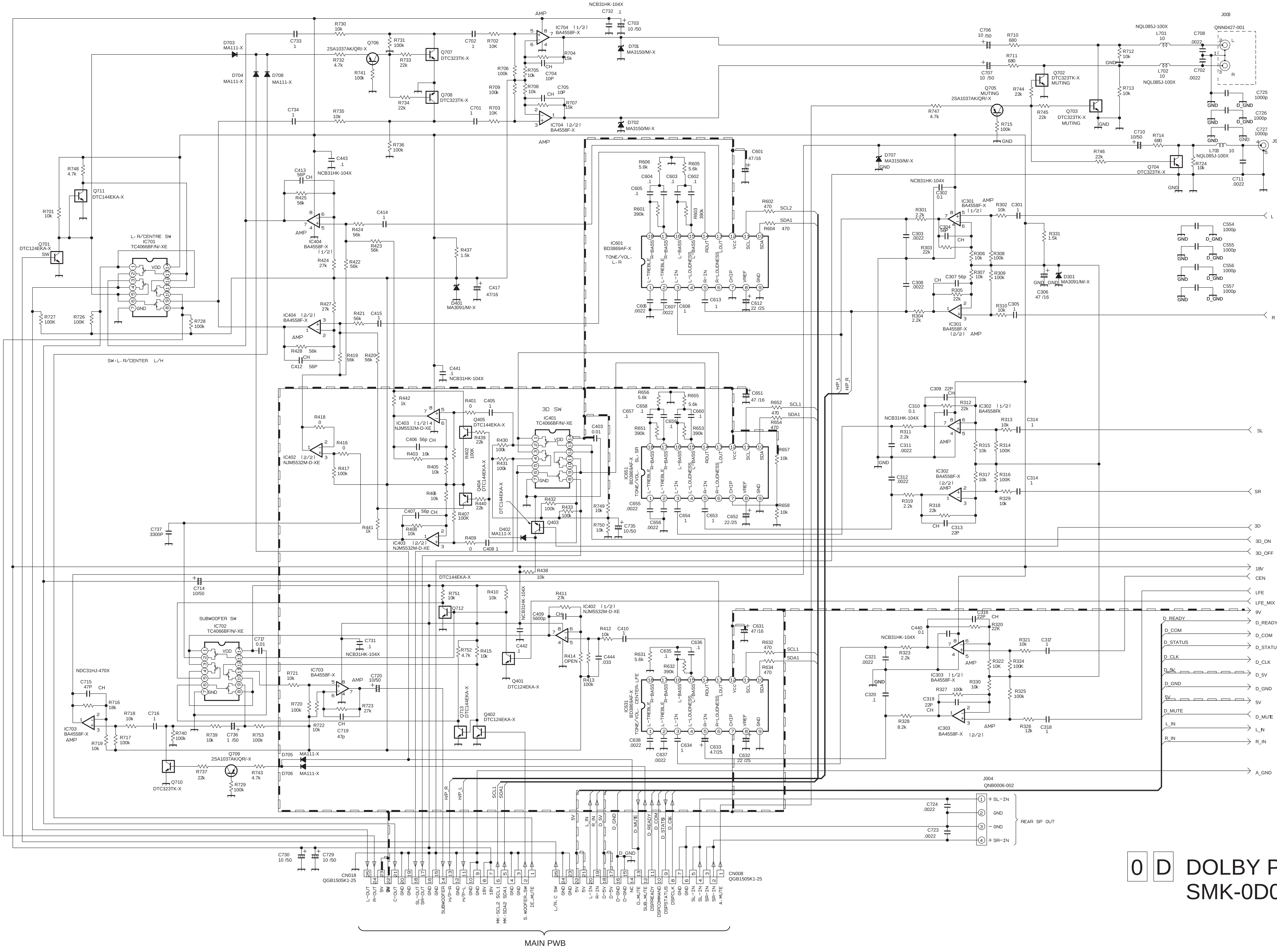
■ DOLBY PWB CIRCUIT DIAGRAM (1/2)


IC101
TC9446F-014
DSP
IC105
AK4527BVQP
CODEC
IC109
UPD784216AGC180
MICON
IC112
IS63LV1024-15T
S_RAM
IC102
TC4066BF/N/-XE
SW
IC113
TC7WHU04FU-X
IC107
TA48M033F-X
3.3V REG
IC111
TA48M033F-X
3.3V REG
IC110
S-80828CNNB-W
RESET
IC108
TC7SET32F-X
IC201
BA4558F-X
IC202
BA4558F-X
IC203
BA4558F-X
AMP
Q101
DTA124EKA-X
Q102
DTC124EKA-X
Q103
DTC124EKA-X
Q501
DTC124EKA-X
Q502
DTC124EKA-X
X101
24.576MHz
NAX0385-001X
X102
NAX0473-001X
6.14MHz
J001
QNN0281-004
COAX IN
J002
QNZ0523-001
OPT IN
CN00M
OPEN
L
R
SR
SL
CEN
LFE
LFE_MIX
D_MUTE
3D
3D_ON
3D_OFF
18V
L_IN
R_IN
5V
A_GND
9V
D_5V
D_GND
BUS1
BUS2
BUS3
ERR
DSP_RST%
D_READY
D_CLK
D_COM
D_STATUS
TX
RX
SELECT1
SELECT3
LOCK
TEST
RESET%

	SMF-0D401A	SMK-0D001A
R150	10k	OPEN
R163	10k	OPEN
R165	10k	OPEN

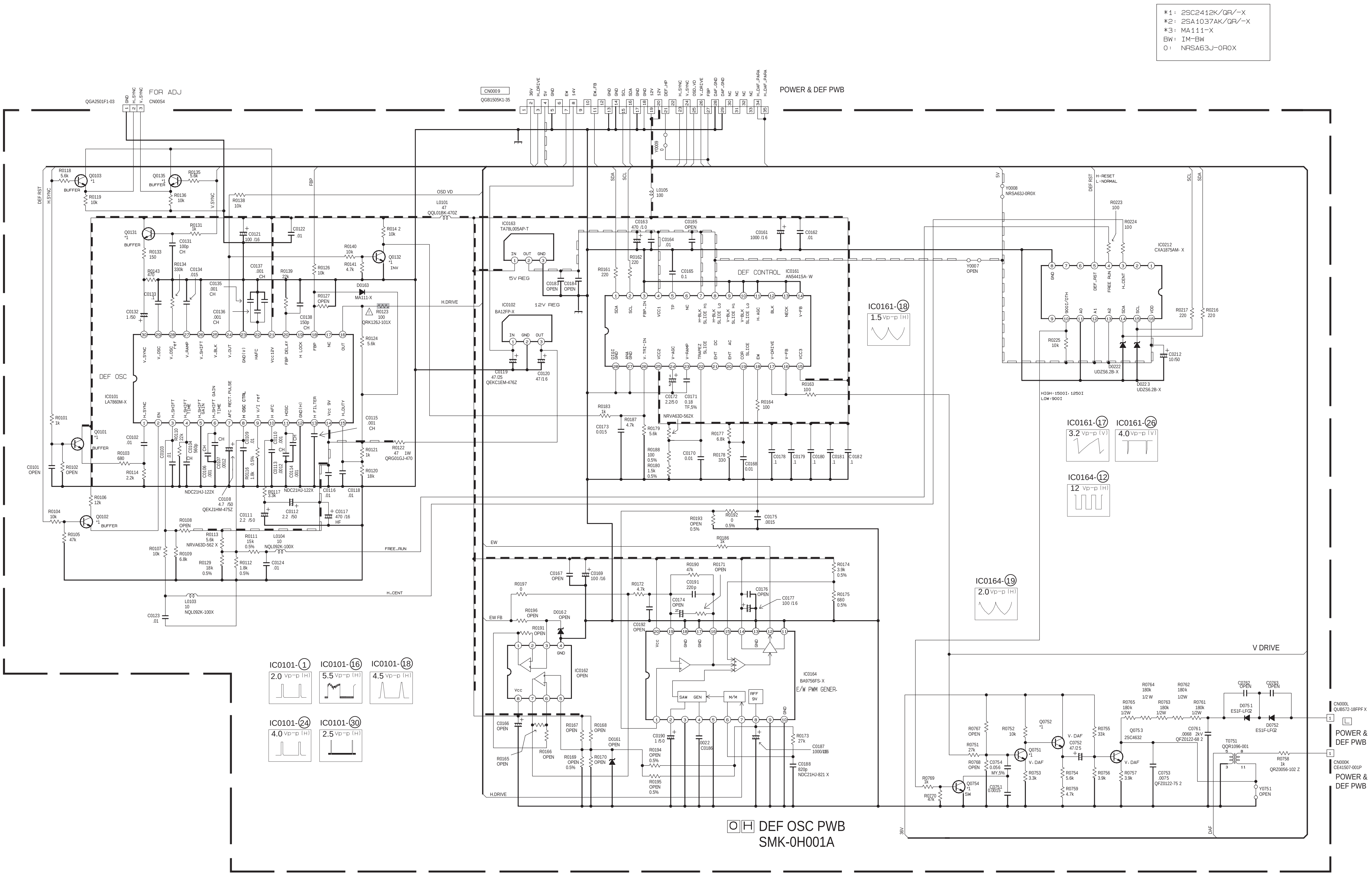
0 D DOLBY PWB
SMK-0D001A (1/2)

■ DOLBY PWB CIRCUIT DIAGRAM (2/2)


IC704 (1/2) BA4558F-X
IC704 (2/2) BA4558F-X
AMP
D701 MA3150/M/-X
D702 MA3150/M/-X
D703 MA111-X
D704 MA111-X
D708 MA111-X
Q706 2SA1037AK/QR/-X
Q707 DTC323TK-X
Q708 DTC323TK-X
Q711 DTC144EKA-X
Q701 DTC124EKA-X
SW
L-R/CENTRE SW
IC701 TC4066BF/N/-XE
VDD
GND
SW-L-R/CENTER L/H
IC404 (1/2) BA4558F-X
IC404 (2/2) BA4558F-X
D401 MA3091/M/-X
IC601 BD3869AF-X
TONE/VOL-L-R
L-TREBLE
R-TREBLE
L-BASS
R-BASS
L-IN
R-IN
L-LOUDNESS
R-LOUDNESS
ROUT
LOUT
Vcc
SCL
SDA
CHIP
VREF
SCL1
SDA1
SCL2
IC651 BD3869AF-X
TONE/VOL-SL-SR
IC631 BD3869AF-X
TONE/VOL-CENTER-LFE
IC402 (2/2) NJM5532M-D-XE
IC402 (1/2) NJM5532M-D-XE
IC403 (1/2) NJM5532M-D-XE
IC403 (2/2) NJM5532M-D-XE
3D SW
IC401 TC4066BF/N/-XE
Q405 DTC144EKA-X
Q404 DTC144EKA-X
Q403
D402 MA111-X
Q401 DTC124EKA-X
Q402 DTC124EKA-X
Q712
Q713 DTC144EKA-X
SUBWOOFER SW
IC702 TC4066BF/N/-XE
IC703 BA4558F-X
NDC31HJ-470X
Q709 2SA1037AK/QR/-X
Q710 DTC323TK-X
D705 MA111-X
D706 MA111-X
NCB31HK-104X
J003 QNN0427-001
L701 NQL085J-100X
L702 NQL085J-100X
L703 NQL085J-100X
Q702 DTC323TK-X MUTING
Q703 DTC323TK-X MUTING
Q705 MUTING 2SA1037AK/QR/-X
Q704 DTC323TK-X
D707 MA3150/M/-X
IC301 BA4558F-X (1/2)
IC301 BA4558F-X (2/2)
D301 MA3091/M/-X
IC302 (1/2) BA4558FX
IC302 BA4558F-X (2/2)
IC303 (1/2) BA4558F-X
IC303 BA4558F-X (2/2)
GND
D_GND
L
R
SL
SR
3D
3D_ON
3D_OFF
18V
CEN
LFE
LFE_MIX
9V
D_READY
D_COM
D_STATUS
D_CLK
D_5V
D_GND
5V
D_MUTE
L_IN
R_IN
A_GND
J004 QNB0006-002
+SL-IN
GND
-GND
+SR-IN
REAR SP OUT
CN018 QGB1505K1-25
CN008 QGB1505K1-25
L-OUT
R-OUT
C-OUT
SL-OUT
SR-OUT
SUBWOOFER
H/P-R
H/P-L
MK-SCL2
MK-SDA2
SCL1
SDA1
S.WOOFER-SW
IE_MUTE
L/R.C SW
L-IN
R-IN
D-5V
D-GND
D_MUTE
SUB_MUTE
DSPREADY
DSPCOMMAND
DSPSTATUS
DSPCLK
SL-IN
SR-IN
A_MUTE
H/P_L
H/P_R
MAIN PWB

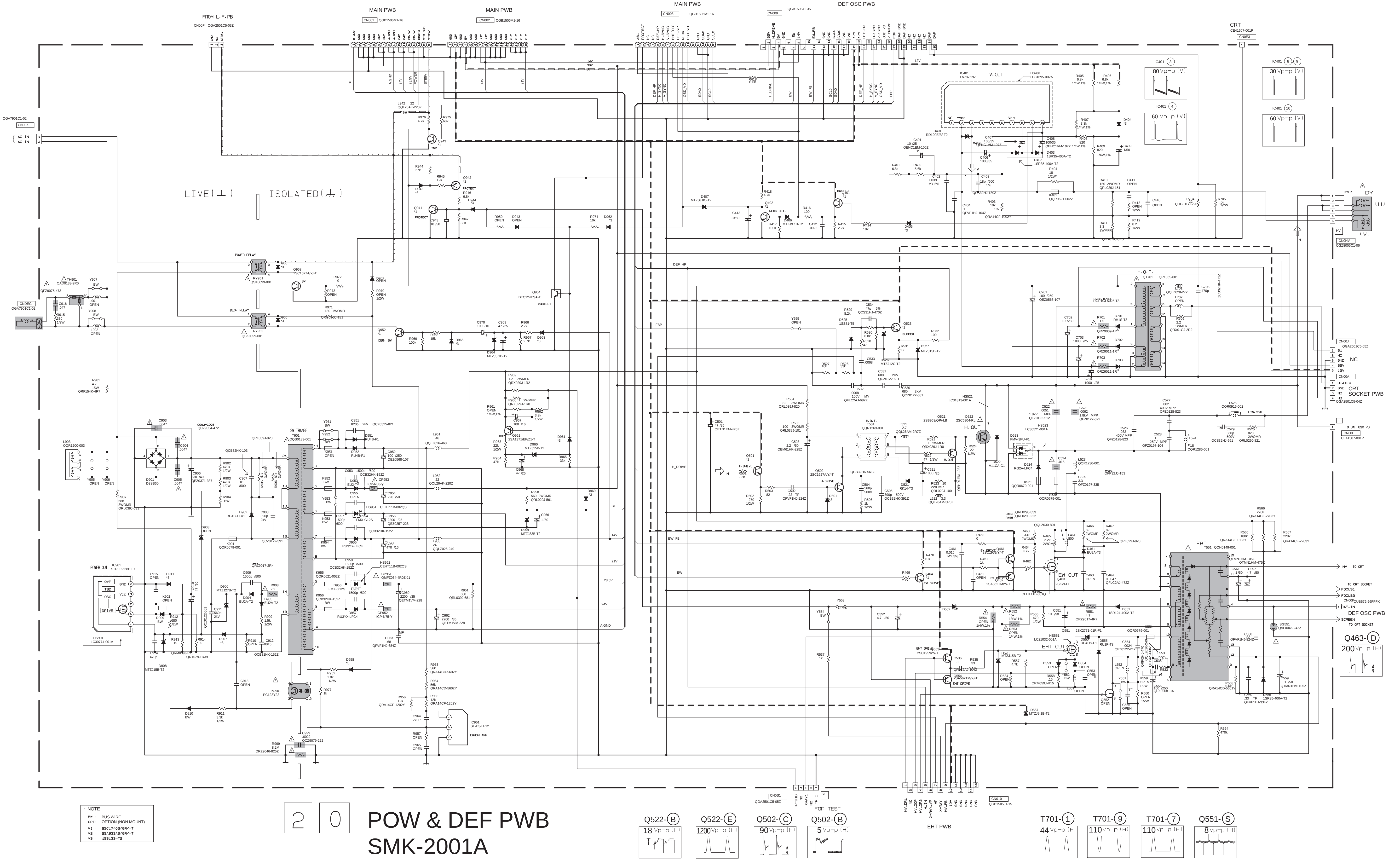
0 D DOLBY PWB
SMK-0D001A (2/2)

■ DEF OSC PWB CIRCUIT DIAGRAM

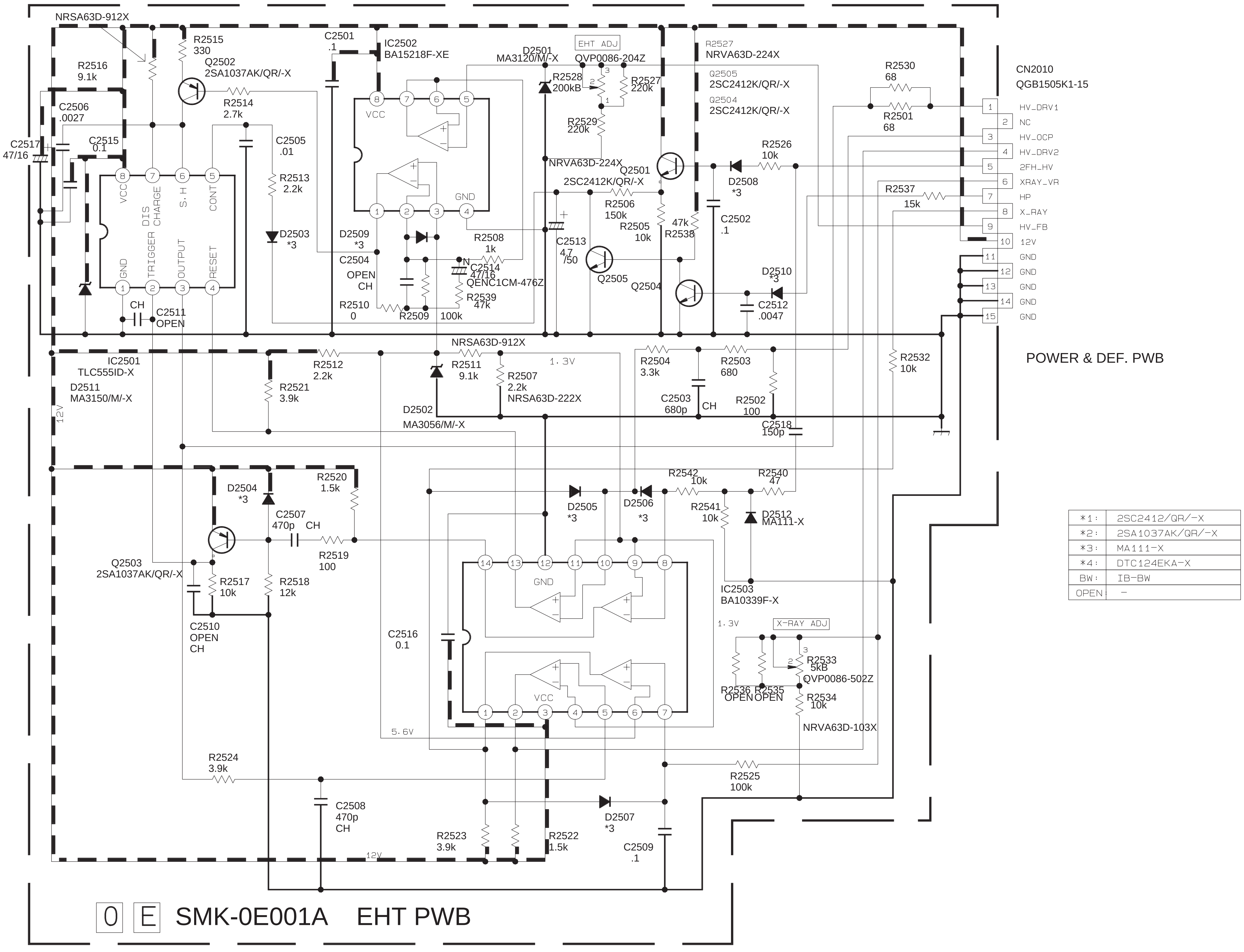

*1: 2SC2412K/QR/-X
*2: 2SA1037AK/QR/-X
*3: MA111-X
BW: IM-BW
0: NRSA63J-0R0X
FOR ADJ
QGA2501F1-03
CN00S4
CN0009
QGB1505K1-35
POWER & DEF PWB
DEF OSC
IC0101
LA7860M-X
IC0163
TA78L005AP-T
5V REG
IC0102
BA12FP-X
12V REG
DEF CONTROL
IC0161
AN5441SA-W
IC0212
CXA1875AM-X
IC0162
OPEN
IC0164
BA9756FS-X
E/W PWM GENER.
IC0161-⑱ 1.5Vp-p (H)
IC0161-⑰ 3.2Vp-p (V)
IC0161-㉖ 4.0Vp-p (V)
IC0164-⑫ 12Vp-p (H)
IC0164-⑲ 2.0Vp-p (H)
IC0101-① 2.0Vp-p (H)
IC0101-⑯ 5.5Vp-p (H)
IC0101-⑱ 4.5Vp-p (H)
IC0101-㉔ 4.0Vp-p (H)
IC0101-㉚ 2.5Vp-p (H)
H: RESET
L: NORMAL
HIGH: 1500Ω-1250Ω
LOW: 900Ω
OSD VD
H.DRIVE
FREE_RUN
H_CENT
EW
EW FB
V DRIVE
CN000L
QUB572-18FPF X
CN000K
CE41507-001P
POWER & DEF PWB
T0751
QQR1096-001
Q0751 V-DAF
Q0752 V-DAF
Q0753 2SC4632
Q0754 SW

OH DEF OSC PWB
SMK-0H001A

POWER & DEF PWB CIRCUIT DIAGRAM

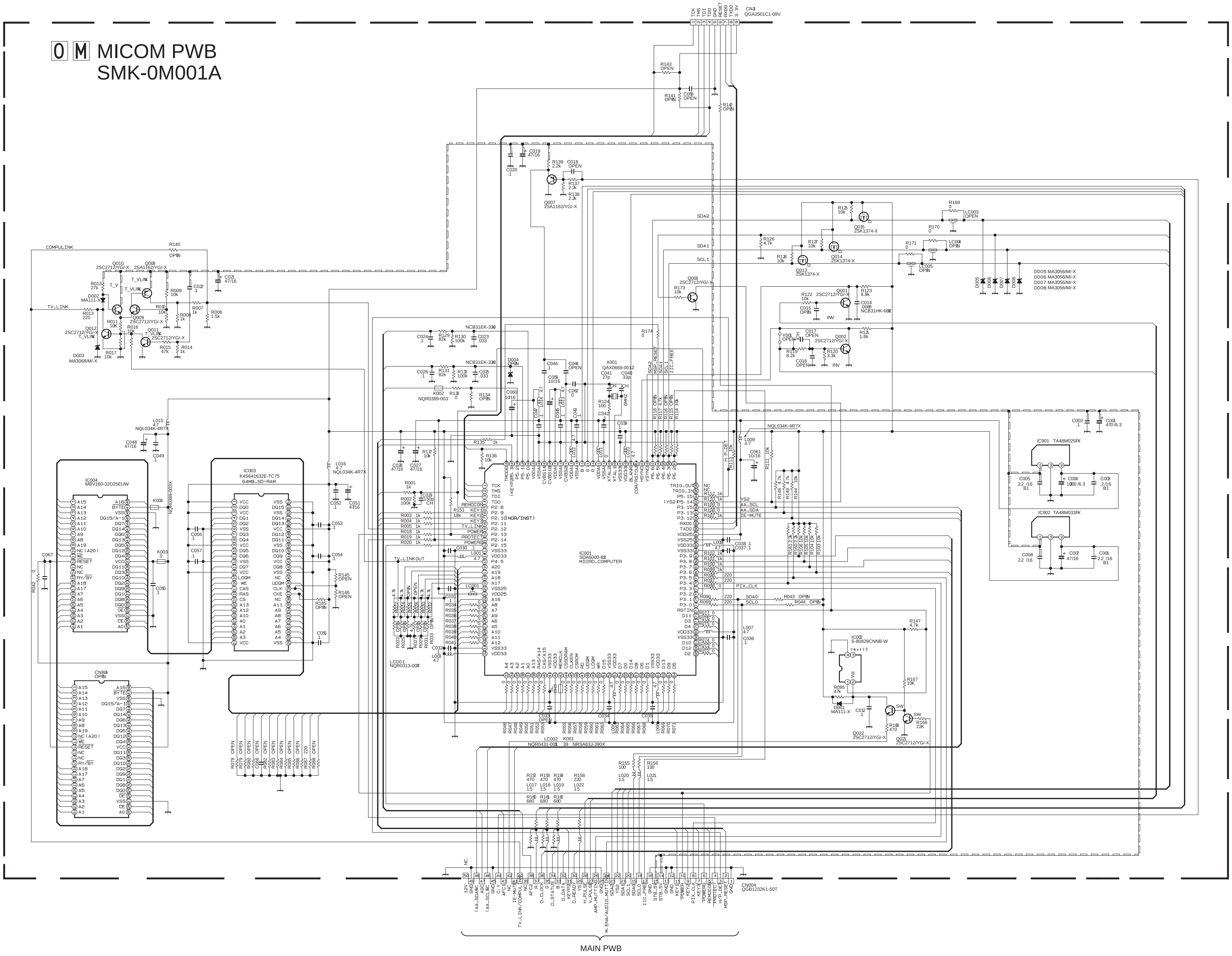

FROM L.F.PB
MAIN PWB
MAIN PWB
MAIN PWB
DEF OSC PWB
CRT
LIVE(⊥)
ISOLATED(⊥)
POWER RELAY
DEG. RELAY
SW TRANSF.
POWER OUT
PROTECT
BUFFER
NECK DET.
V. OUT
H. OUT
H. DRIVE
EW DRIVE
EW OUT
EHT DRIVE
EHT OUT
H. D. T.
FBT
ERROR AMP
LIN. COIL
NC
CRT SOCKET PWB
DEF OSC PWB
TO DAF OSC PB
TO CRT
TO CRT SOCKET
FOCUS1
FOCUS2
DAF_IN
SCREEN
DY
FOR TEST
EHT PWB
• NOTE
BW : BUS WIRE
OPT : OPTION (NON MOUNT)
*1 : 2SC1740S/QR/-T
*2 : 2SA933AS/QR/-T
*3 : 1SS133-T2
2 0
POW & DEF PWB
SMK-2001A
IC401 ③ 80 Vp-p (V)
IC401 ④ 60 Vp-p (V)
IC401 ⑧ ⑨ 30 Vp-p (V)
IC401 ⑩ 60 Vp-p (V)
Q463-Ⓓ 200 Vp-p (H)
Q522-Ⓑ 18 Vp-p (H)
Q522-Ⓔ 1200 Vp-p (H)
Q502-Ⓒ 90 Vp-p (H)
Q502-Ⓑ 5 Vp-p (H)
T701-① 44 Vp-p (H)
T701-⑨ 110 Vp-p (H)
T701-⑦ 110 Vp-p (H)
Q551-Ⓢ 8 Vp-p (H)

■ EHT PWB CIRCUIT DIAGRAM

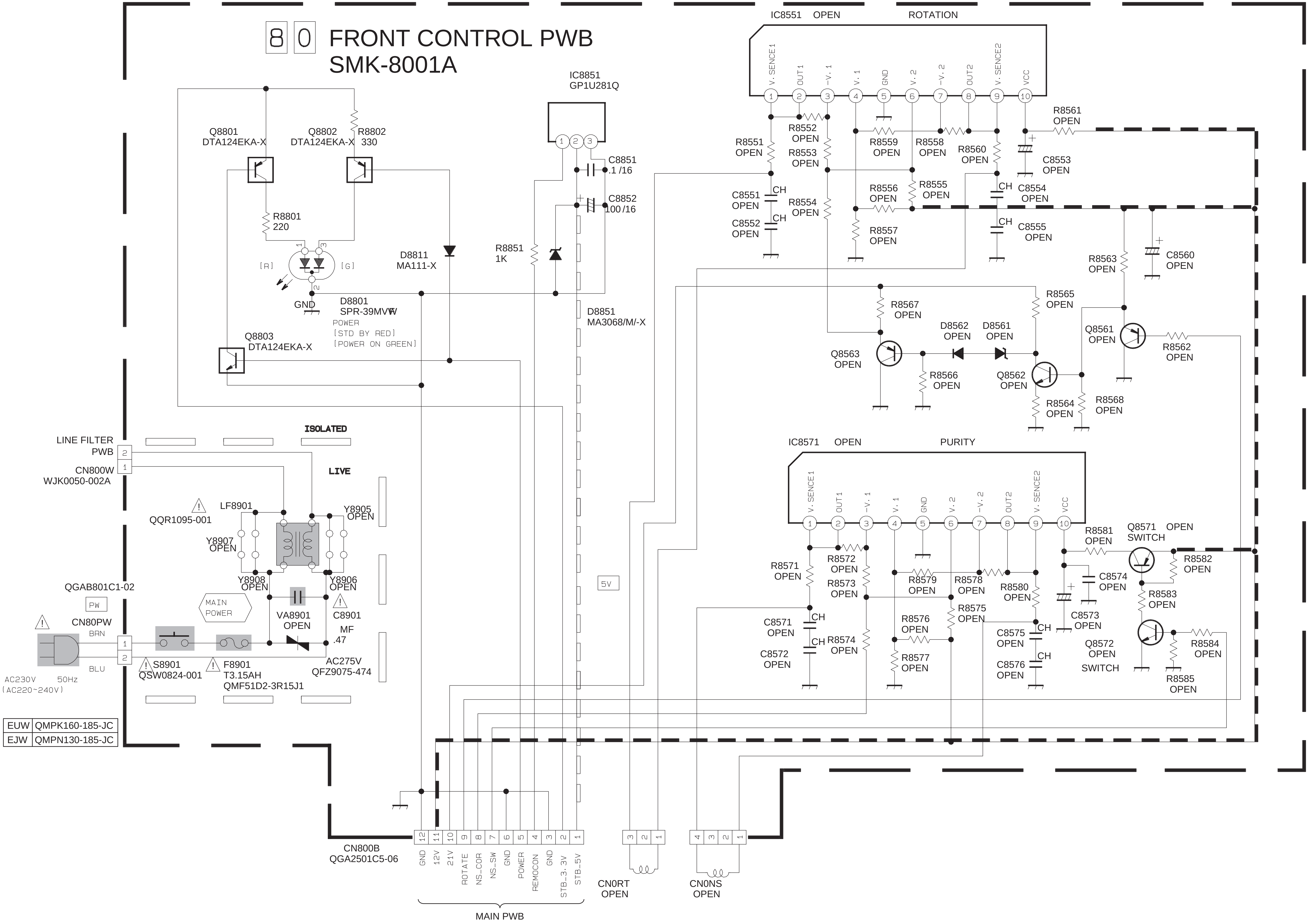

NRSA63D-912X
R2515
330
Q2502
2SA1037AK/QR/-X
R2516
9.1k
C2506
.0027
R2514
2.7k
C2517
47/16
C2515
0.1
C2505
.01
R2513
2.2k
D2503
*3
VCC
DIS CHARGE
S. H
CONT
GND
TRIGGER
OUTPUT
RESET
CH
C2511
OPEN
C2501
.1
IC2502
BA15218F-XE
VCC
GND
D2509
*3
C2504
OPEN
CH
R2510
0
R2509
100k
R2508
1k
C2514
47/16
QENC1CM-476Z
N
R2539
47k
D2501
MA3120/M/-X
EHT ADJ
QVP0086-204Z
R2528
200kB
R2527
220k
R2529
220k
NRVA63D-224X
Q2501
2SC2412K/QR/-X
R2506
150k
R2505
10k
C2513
4.7
/50
Q2505
Q2504
47k
R2538
R2527
NRVA63D-224X
Q2505
2SC2412K/QR/-X
Q2504
2SC2412K/QR/-X
C2502
.1
R2526
10k
D2508
*3
D2510
*3
C2512
.0047
R2530
68
R2501
68
R2537
15k
CN2010
QGB1505K1-15
1 HV_DRV1
2 NC
3 HV_OCP
4 HV_DRV2
5 2FH_HV
6 XRAY_VR
7 HP
8 X_RAY
9 HV_FB
10 12V
11 GND
12 GND
13 GND
14 GND
15 GND
POWER & DEF. PWB
IC2501
TLC555ID-X
D2511
MA3150/M/-X
12V
R2521
3.9k
R2512
2.2k
NRSA63D-912X
R2511
9.1k
R2507
2.2k
NRSA63D-222X
D2502
MA3056/M/-X
1. 3V
R2504
3.3k
R2503
680
C2503
680p
CH
R2502
100
C2518
150p
R2532
10k
D2504
*3
R2520
1.5k
C2507
470p
CH
R2519
100
Q2503
2SA1037AK/QR/-X
R2517
10k
R2518
12k
C2510
OPEN
CH
D2505
*3
D2506
*3
R2542
10k
R2540
47
R2541
10k
D2512
MA111-X
GND
IC2503
BA10339F-X
C2516
0.1
VCC
5. 6V
1. 3V
X-RAY ADJ
R2533
5kB
QVP0086-502Z
R2536
OPEN
R2535
OPEN
R2534
10k
NRVA63D-103X
R2524
3.9k
C2508
470p
CH
12V
R2523
3.9k
R2522
1.5k
D2507
*3
C2509
.1
R2525
100k
0 E SMK-0E001A EHT PWB

*1:	2SC2412/QR/-X
*2:	2SA1037AK/QR/-X
*3:	MA111-X
*4:	DTC124EKA-X
BW:	IB-BW
OPEN:	–

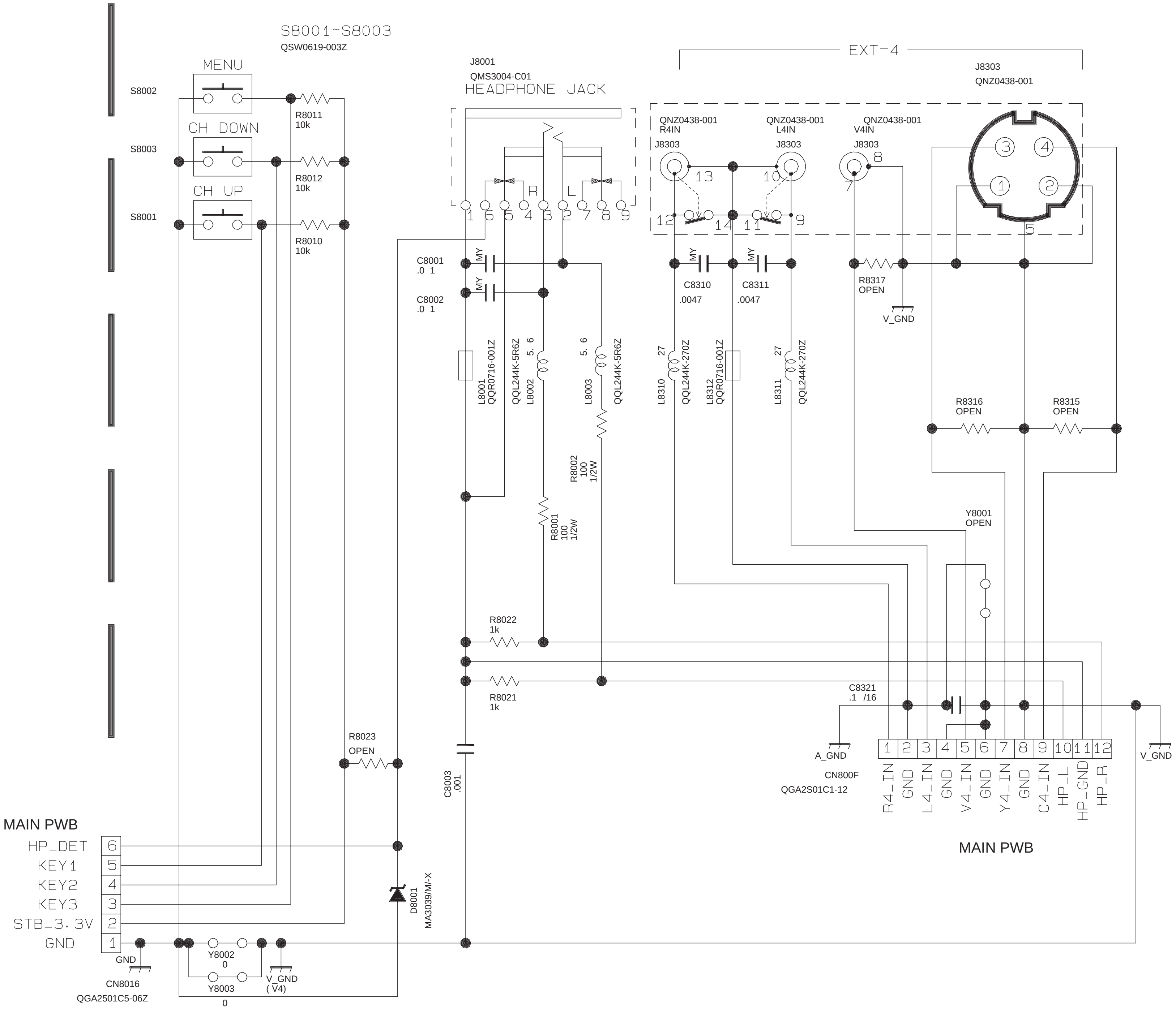
■ MICOM PWB CIRCUIT DIAGRAM


0 M MICOM PWB
SMK-0M001A
CN1
QGA2501C1-09V
TCK
TMS
TDI
TDO
GND
RESET
RXDO
TXDO
3.3V
IC001
SDA6000-B2
MICRO_COMPUTER
IC003
K4S641632E-TC75
64MB_SD-RAM
IC004
MBV160-32D25EUW
CN804
OPEN
X001
QAX0669-001Z
IC901 TA48M025FK
IC902 TA48M033FK
IC002
S-80828CNNB-W
Q007
2SA1162/YG/-X
Q010
2SC2712/YG/-X
Q008
2SA1162/YG/-X
Q009
2SC2712/YG/-X
Q011
2SC2712/YG/-X
Q012
2SC2712/YG/-X
Q003
2SC2712/YG/-X
Q013
2SK1374-X
Q014
2SK1374-X
Q015
2SK1374-X
Q001
2SC2712/YG/-X
Q002
2SC2712/YG/-X
Q021
2SC2712/YG/-X
Q022
2SC2712/YG/-X
D002
MA111-X
D003
MA3068/M/-X
D001
MA111-X
D005 MA3056/M/-X
D006 MA3056/M/-X
D007 MA3056/M/-X
D008 MA3056/M/-X
COMPULINK
TV_LINK
TV_LINKOUT
SDA2
SDA1
SCL1
INV
SW
K002
NQR0389-003
LC001
NQR0313-003
LC002 K001
NQR0431-001 NRSA633-390X
NCB31EK-330
L015
NQL034K-4R7X
L016
NQL034K-4R7X
NQL034K-4R7X
CN004
QGB1232K1-50T
MAIN PWB

■ FRONT CONTROL PWB CIRCUIT DIAGRAM


80
FRONT CONTROL PWB
SMK-8001A
Q8801
DTA124EKA-X
Q8802
DTA124EKA-X
R8802
330
R8801
220
[R]
[G]
D8801
SPR-39MVW
POWER
[STD BY RED]
[POWER ON GREEN]
GND
Q8803
DTA124EKA-X
D8811
MA111-X
IC8851
GP1U281Q
C8851
.1 /16
C8852
100 /16
R8851
1K
D8851
MA3068/M/-X
5V
IC8551 OPEN
ROTATION
V.SENCE1
OUT1
-V.1
V.1
GND
V.2
-V.2
OUT2
V.SENCE2
VCC
R8561
OPEN
R8551
OPEN
R8552
OPEN
R8553
OPEN
R8559
OPEN
R8558
OPEN
R8560
OPEN
C8553
OPEN
C8551
OPEN
CH
R8554
OPEN
R8556
OPEN
R8555
OPEN
C8554
OPEN
C8552
OPEN
R8557
OPEN
C8555
OPEN
R8563
OPEN
C8560
OPEN
R8567
OPEN
R8565
OPEN
D8562
OPEN
D8561
OPEN
Q8561
OPEN
R8562
OPEN
Q8563
OPEN
R8566
OPEN
Q8562
OPEN
R8564
OPEN
R8568
OPEN
ISOLATED
LIVE
LINE FILTER
PWB
CN800W
WJK0050-002A
QQR1095-001
LF8901
Y8905
OPEN
Y8907
OPEN
Y8908
OPEN
Y8906
OPEN
QGAB801C1-02
PW
MAIN
POWER
VA8901
OPEN
C8901
MF
.47
AC275V
QFZ9075-474
CN80PW
BRN
BLU
S8901
QSW0824-001
F8901
T3.15AH
QMF51D2-3R15J1
AC230V 50Hz
(AC220~240V)
EUW QMPK160-185-JC
EJW QMPN130-185-JC
IC8571 OPEN
PURITY
R8581
OPEN
Q8571 OPEN
SWITCH
R8571
OPEN
R8572
OPEN
R8582
OPEN
R8573
OPEN
R8579
OPEN
R8578
OPEN
R8580
OPEN
C8574
OPEN
R8583
OPEN
R8575
OPEN
C8573
OPEN
C8571
OPEN
R8576
OPEN
C8575
OPEN
Q8572
OPEN
SWITCH
R8584
OPEN
C8572
OPEN
R8574
OPEN
R8577
OPEN
C8576
OPEN
R8585
OPEN
CN800B
QGA2501C5-06
GND
12V
21V
ROTATE
NS_COR
NS_SW
GND
POWER
REMOCON
GND
STB_3.3V
STB_5V
MAIN PWB
CN0RT
OPEN
CN0NS
OPEN

■ SIDE CONTROL PWB CIRCUIT DIAGRAM

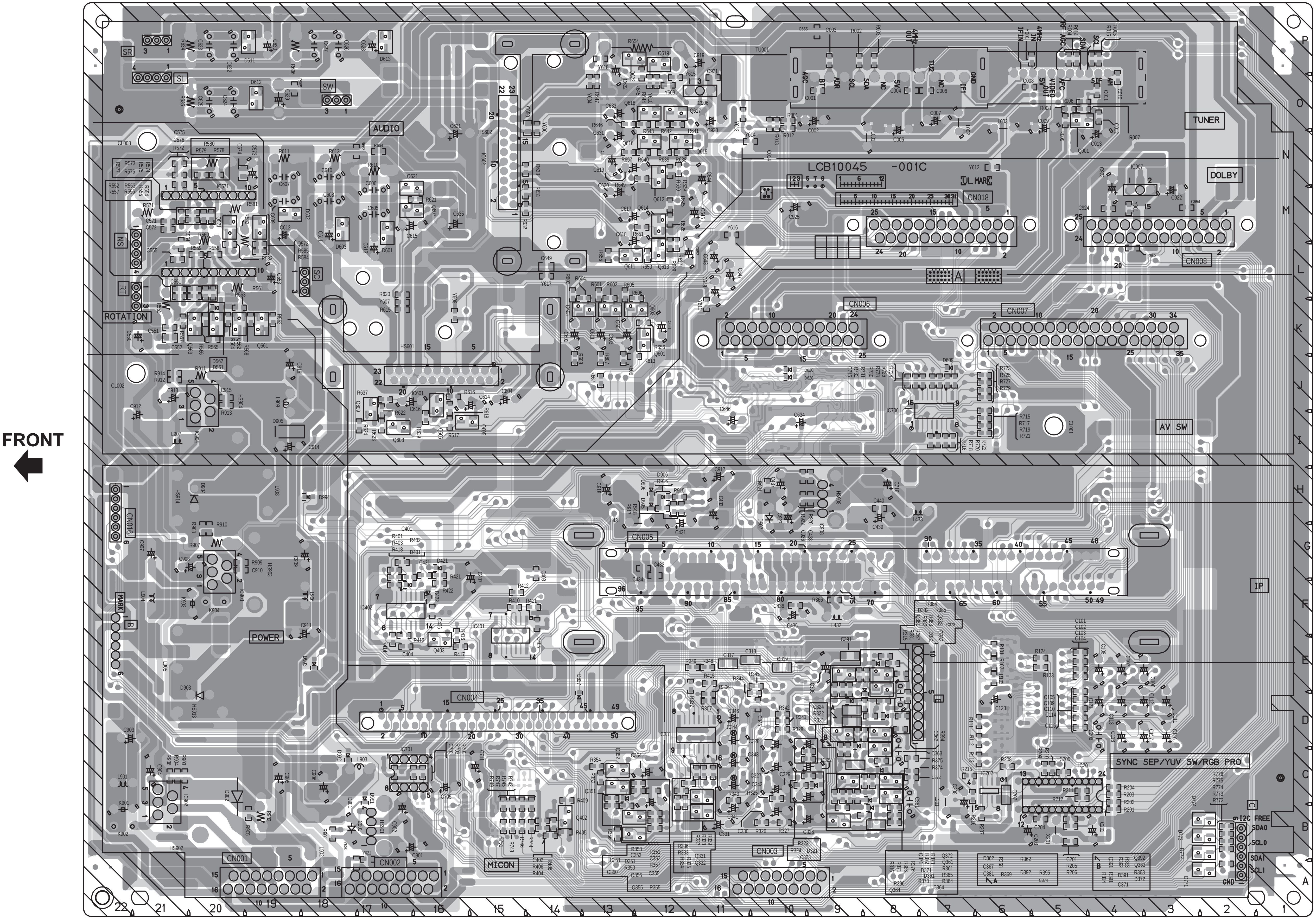

S8001~S8003
QSW0619-003Z
MENU
S8002
CH DOWN
S8003
CH UP
S8001
R8011
10k
R8012
10k
R8010
10k
J8001
QMS3004-C01
HEADPHONE JACK
1 6 5 4 3 2 7 8 9
R
L
C8001
.0 1
C8002
.0 1
MY
L8001
QQR0716-001Z
L8002
QQL244K-5R6Z
5. 6
L8003
QQL244K-5R6Z
R8002
100
1/2W
R8001
100
1/2W
R8022
1k
R8021
1k
C8003
.001
R8023
OPEN
D8001
MA3039/M/-X
EXT-4
J8303
QNZ0438-001
QNZ0438-001
R4IN
J8303
QNZ0438-001
L4IN
J8303
QNZ0438-001
V4IN
J8303
13
10
12
14
11
9
8
7
3
4
1
2
5
C8310
.0047
C8311
.0047
L8310
QQL244K-270Z
27
L8312
QQR0716-001Z
L8311
QQL244K-270Z
27
R8317
OPEN
V_GND
R8316
OPEN
R8315
OPEN
Y8001
OPEN
C8321
.1 /16
A_GND
V_GND
CN800F
QGA2S01C1-12
1 2 3 4 5 6 7 8 9 10 11 12
R4_IN
GND
L4_IN
GND
V4_IN
GND
Y4_IN
GND
C4_IN
HP_L
HP_GND
HP_R
MAIN PWB
MAIN PWB
HP_DET 6
KEY1 5
KEY2 4
KEY3 3
STB_3.3V 2
GND 1
GND
CN8016
QGA2501C5-06Z
Y8002
0
Y8003
0
V_GND
(V4)

*1: 2SC2412K/QR/-X
*2: 2SA1037AK/QR/-X
*3: MA111-X
*4: DTC124EKA-X
*5: DTA124EKA-X
0: NRSA63J-0R0X
BW: IM-BW

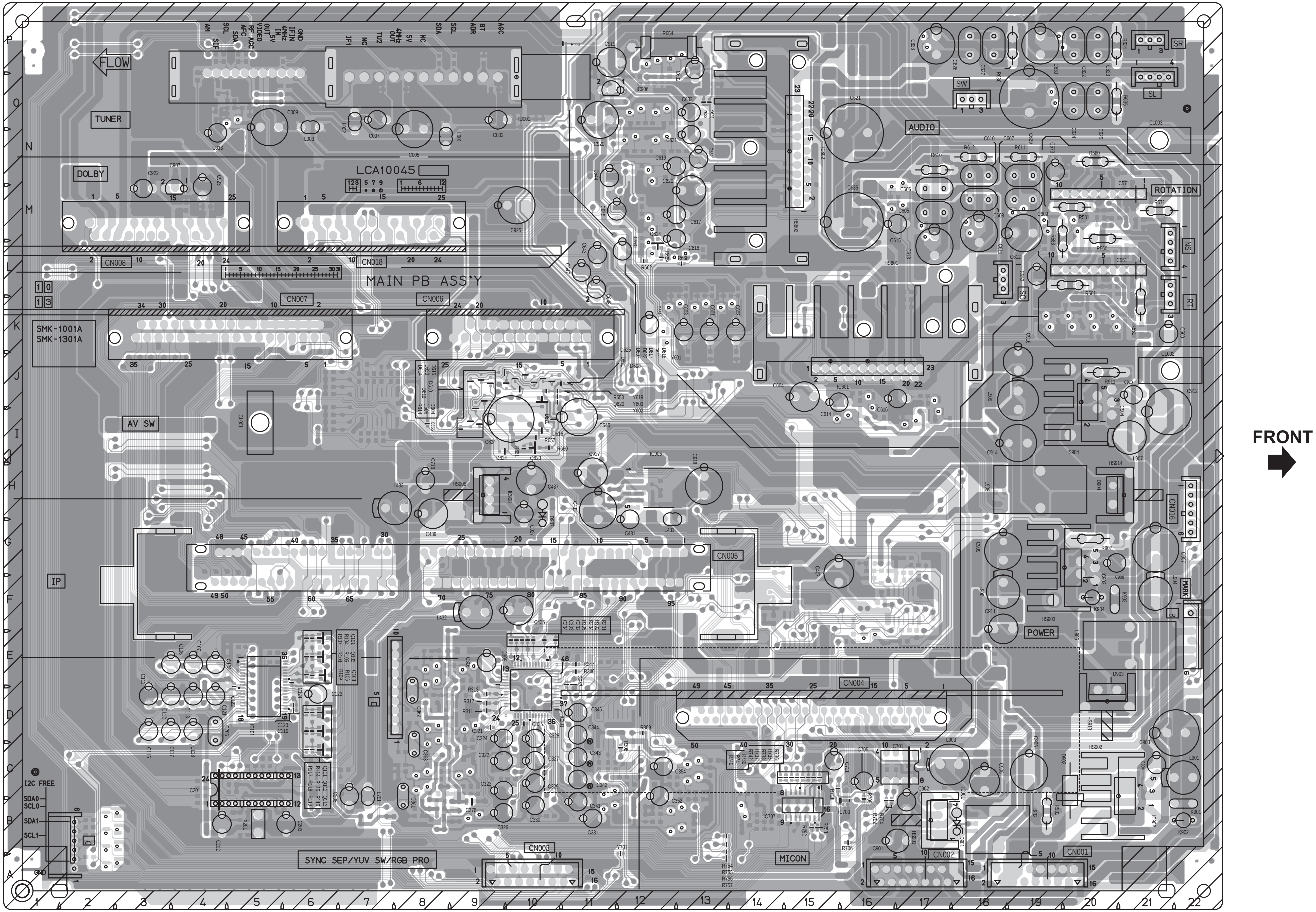
8 1 SIDE CONTROL PWB
SMK-8101A

PATTERN DIAGRAMS

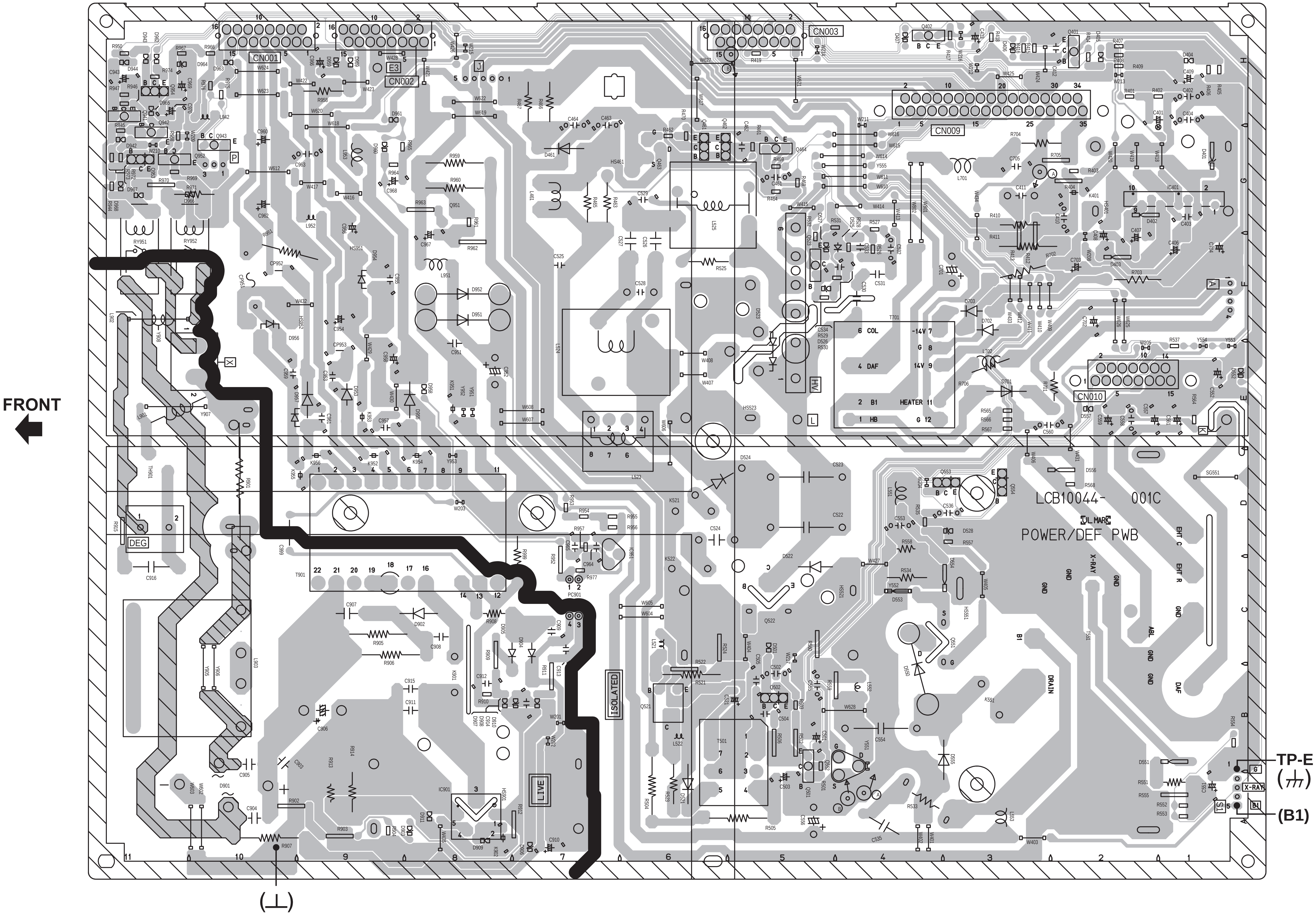
■ MAIN PWB PATTERN [SOLDER SIDE]


FRONT
LCB10045 -001C
SR
SL
SW
AUDIO
TUNER
DOLBY
NS
RT
SC
ROTATION
AV SW
MARK
POWER
IP
SYNC SEP/YUV SW/RGB PRO
MICON
CN001
CN002
CN003
CN004
CN005
CN006
CN007
CN008
CN016
CN018
I2C FREE
SDA0
SCL0
SDA1
SCL1
GND
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
P
O
N
M
L
K
J
I
H
G
F
E
D
C
B
A

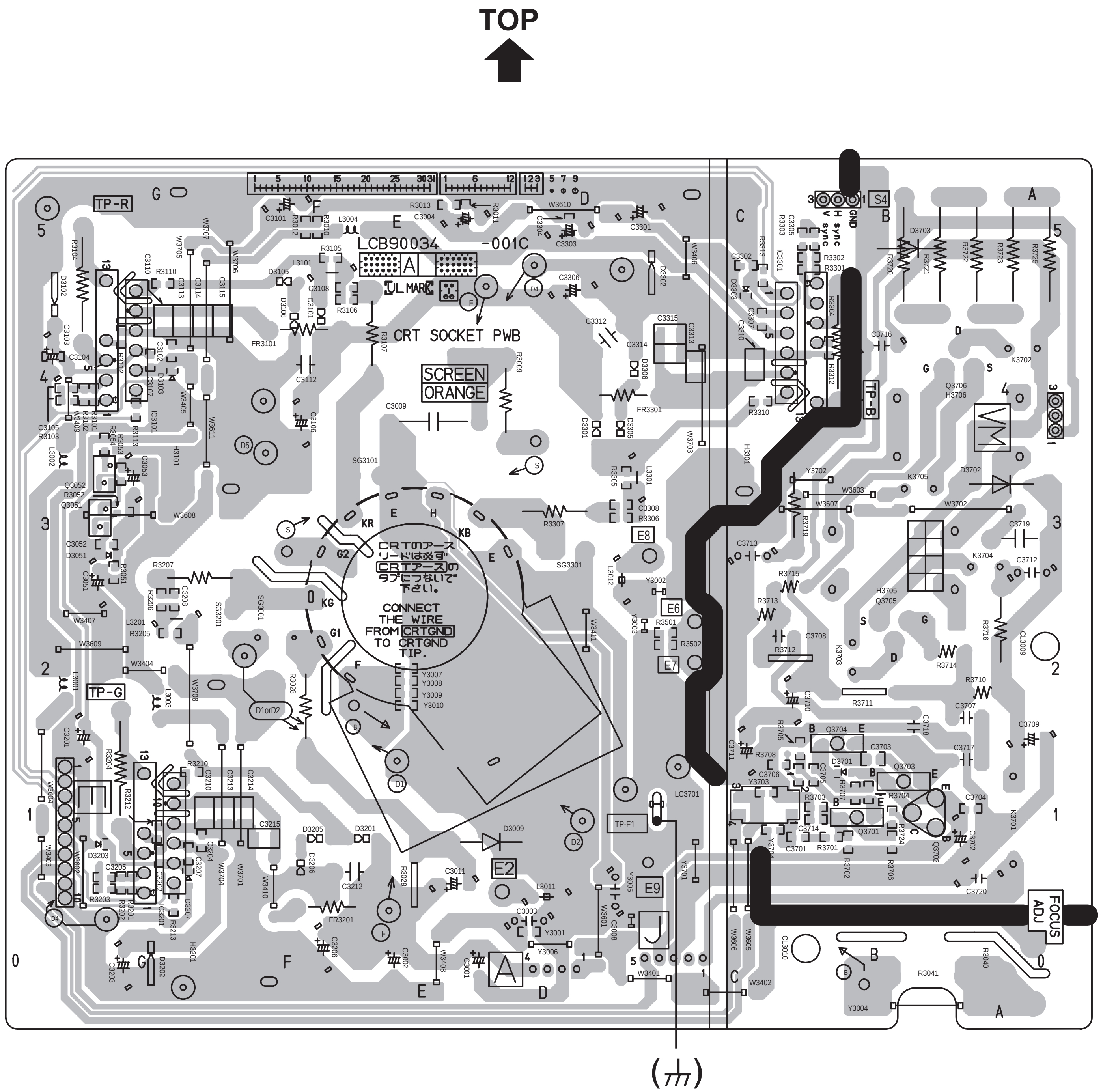
■ MAIN PWB PATTERN [PARTS SIDE]


FLOW
TUNER
DOLBY
LCA10045
MAIN PB ASS'Y
CN008
CN018
CN007
CN006
SMK-1001A
SMK-1301A
AV SW
IP
CN005
CN004
CN003
CN002
CN001
CN016
AUDIO
ROTATION
SW
SR
SL
NS
RT
SC
POWER
MARK
MICON
SYNC SEP/YUV SW/RGB PRO
I2C FREE
SDA0
SCL0
SDA1
SCL1
GND
FRONT

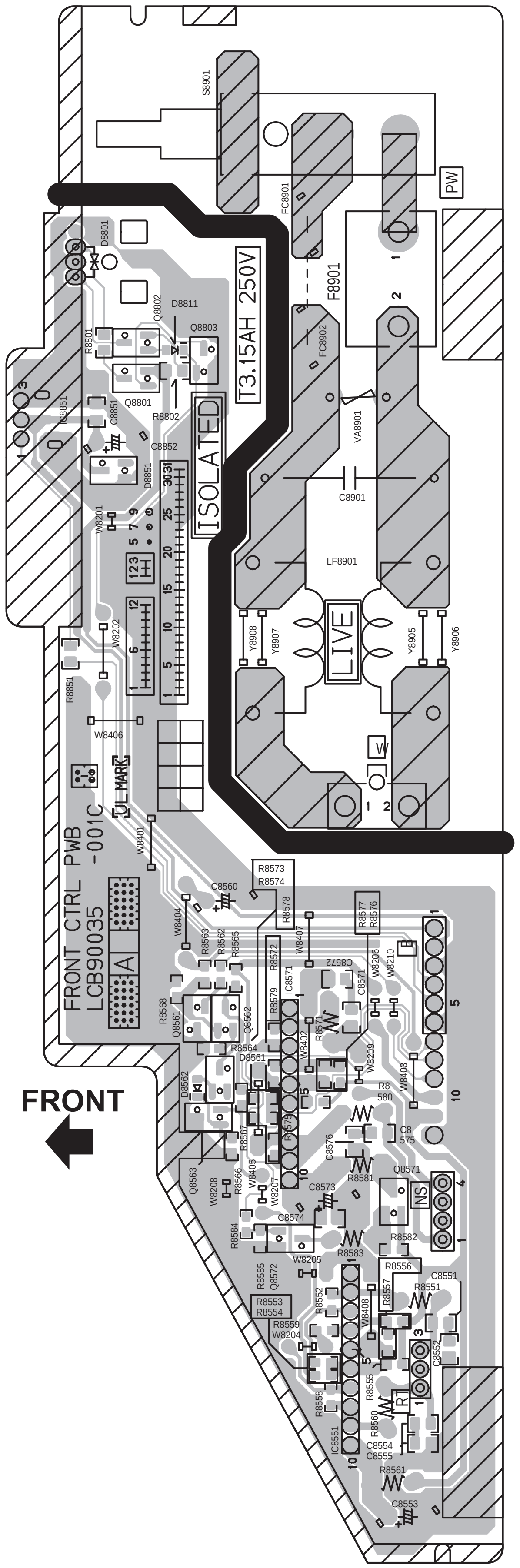
■ POWER&DEF PWB PATTERN


FRONT
CN001
CN002
CN003
CN009
CN010
E3
J
P
DEG
ISOLATED
LIVE
HV
L
K
T901
T701
T501
IC901
IC401
RY951
RY952
LCB10044- 001C
POWER/DEF PWB
X-RAY
GND
EHT C
EHT R
ABL
DAF
DRAIN
B1
TP-E
(⏊)
(B1)
(⊥)

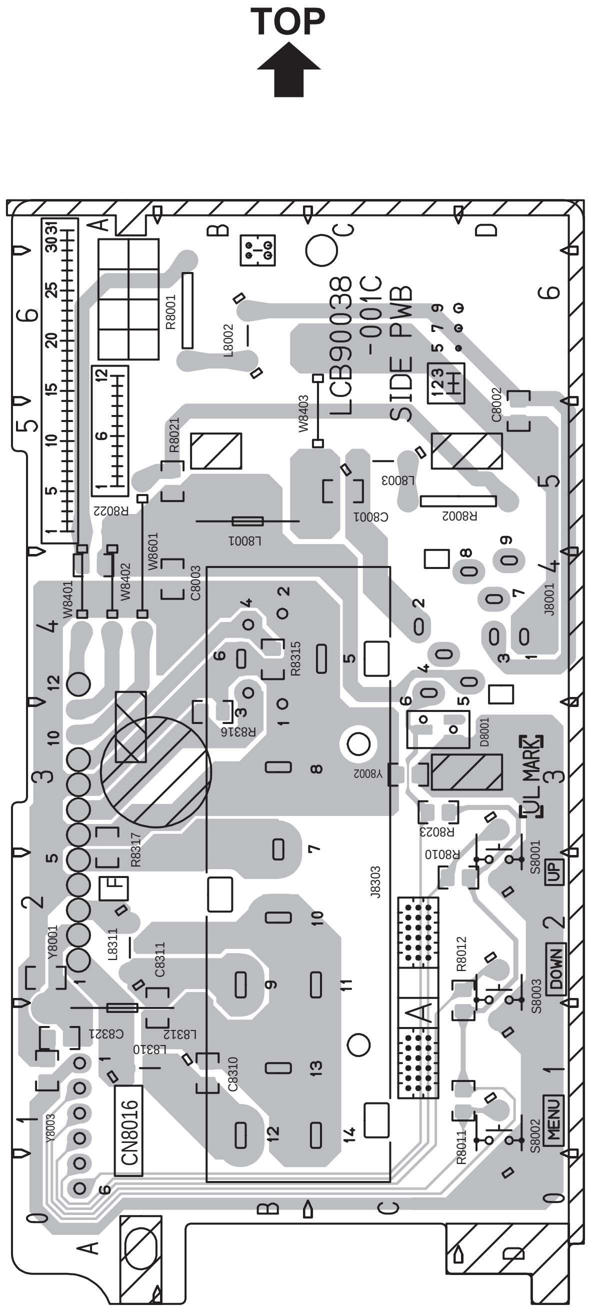
■ CRT SOCKET PWB PATTERN


TOP
LCB90034 -001C
CRT SOCKET PWB
SCREEN
ORANGE
CONNECT
THE WIRE
FROM CRTGND
TO CRTGND
TIP.
CRTのアース
リードは必ず
CRTアースの
ラグにつないで
下さい。
TP-R
TP-G
TP-B
TP-E1
FOCUS
ADJ
H sync
V sync
GND
E2
E6
E7
E8
E9
KR
KG
KB
G1
G2

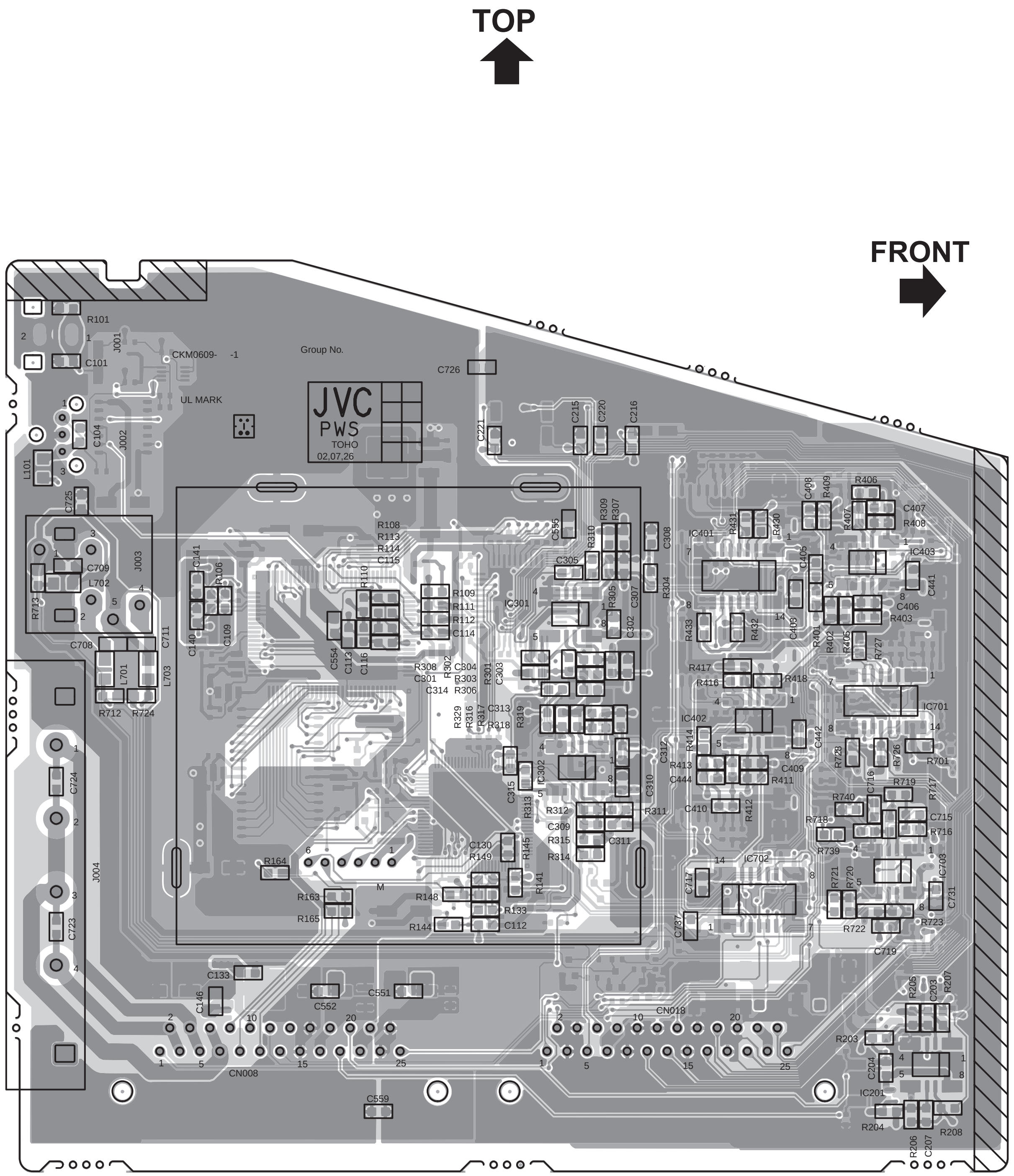
■ FRONT CONTROL PWB PATTERN


T3.15AH 250V
F8901
ISOLATED
LIVE
PW
FRONT CTRL PWB
LCB90035 -001C
LF8901
C8901
FRONT

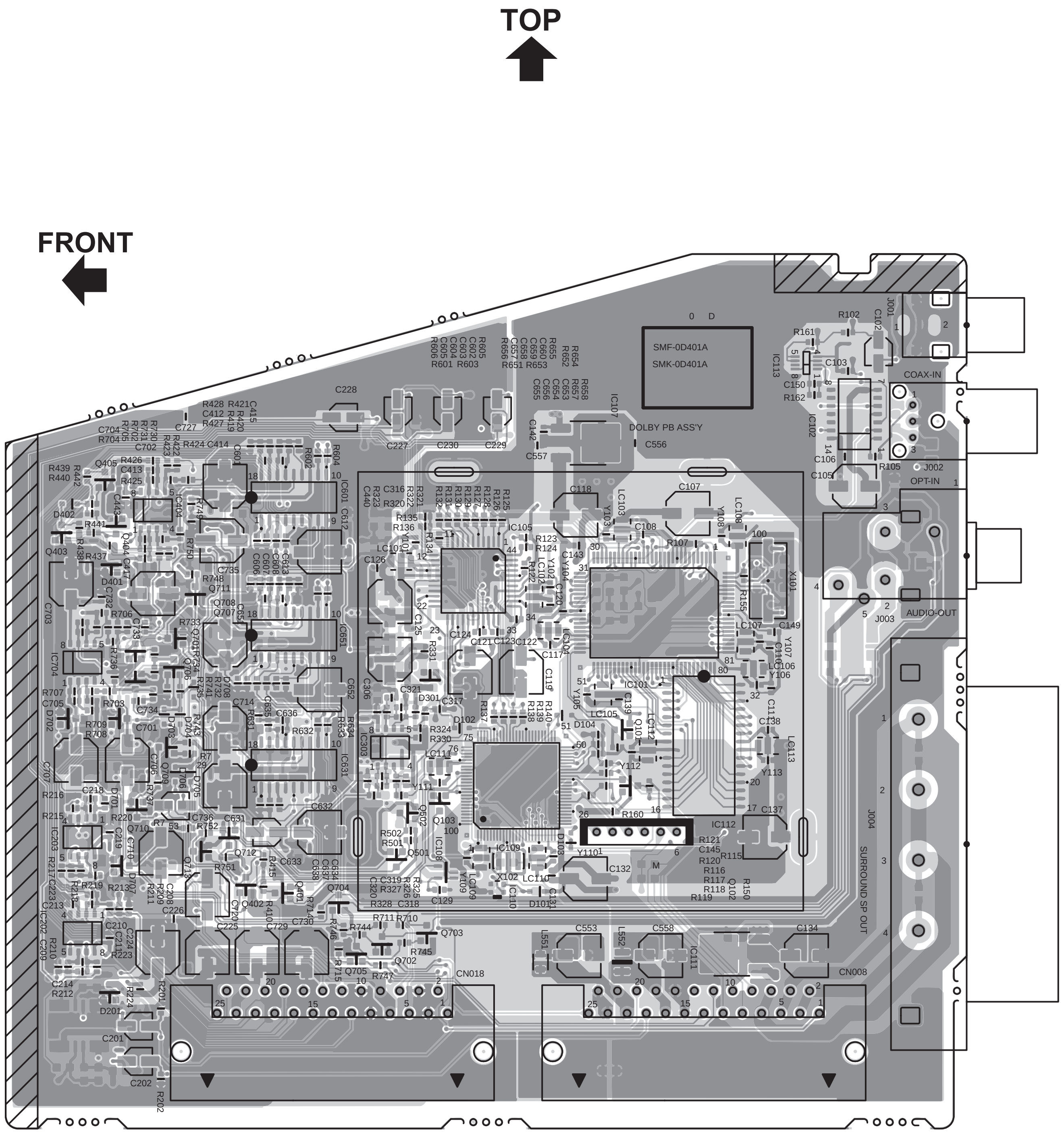
■ SIDE CONTROL PWB PATTERN


TOP
LCB90038
-001C
SIDE PWB
CN8016
J8303
MENU
DOWN
UP
S8001
S8002
S8003

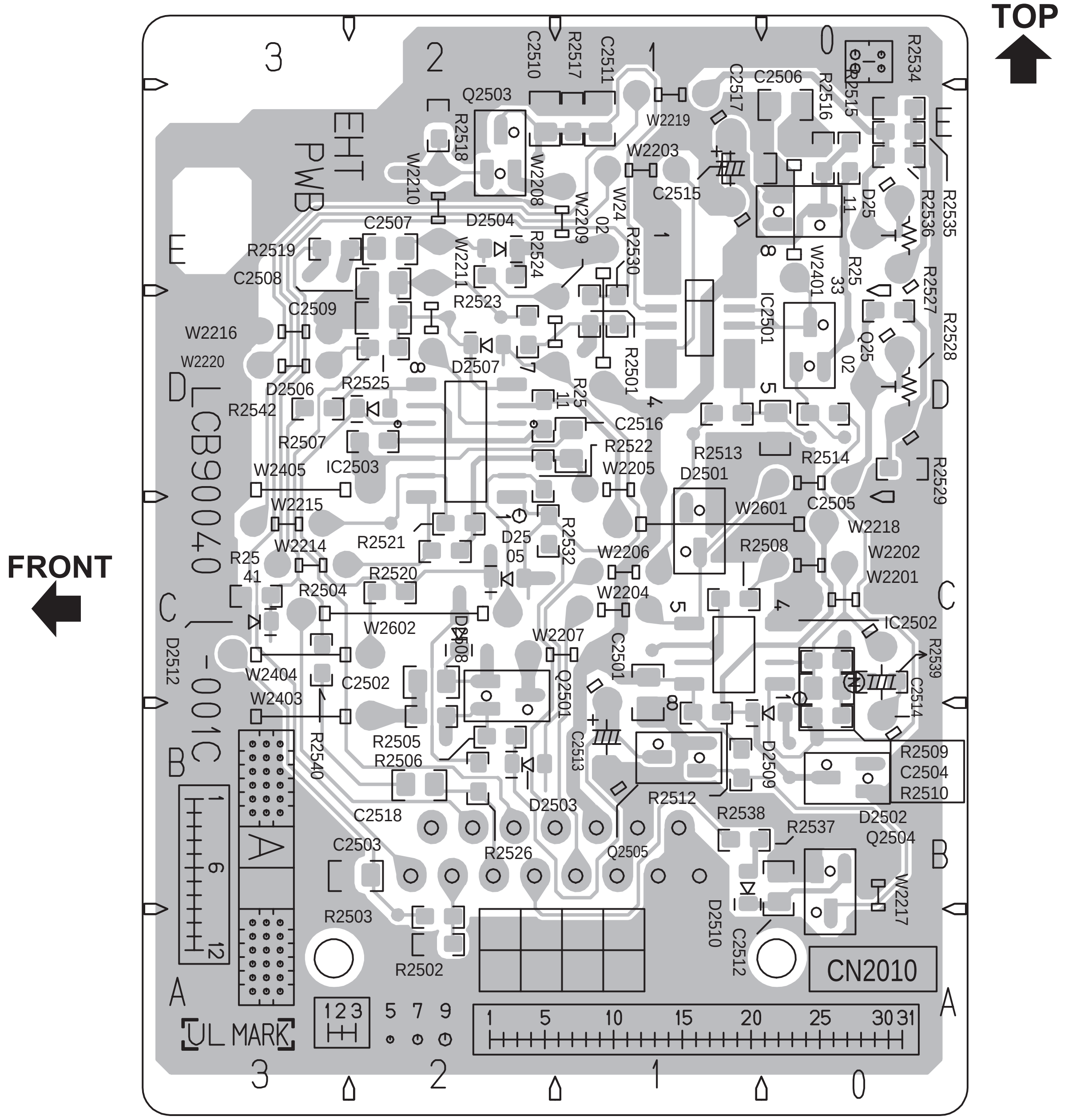
■ DOLBY PWB PATTERN [SOLDER SIDE]


TOP
FRONT
JVC
PWS
TOHO
02,07,26
CKM0609- -1
Group No.
UL MARK
J001
J002
J003
J004
CN008
CN018
IC201
IC301
IC302
IC401
IC402
IC701
IC702
IC703
R101
C101
L101
L701
L703
C726
C559
C552
C551
C133
C146

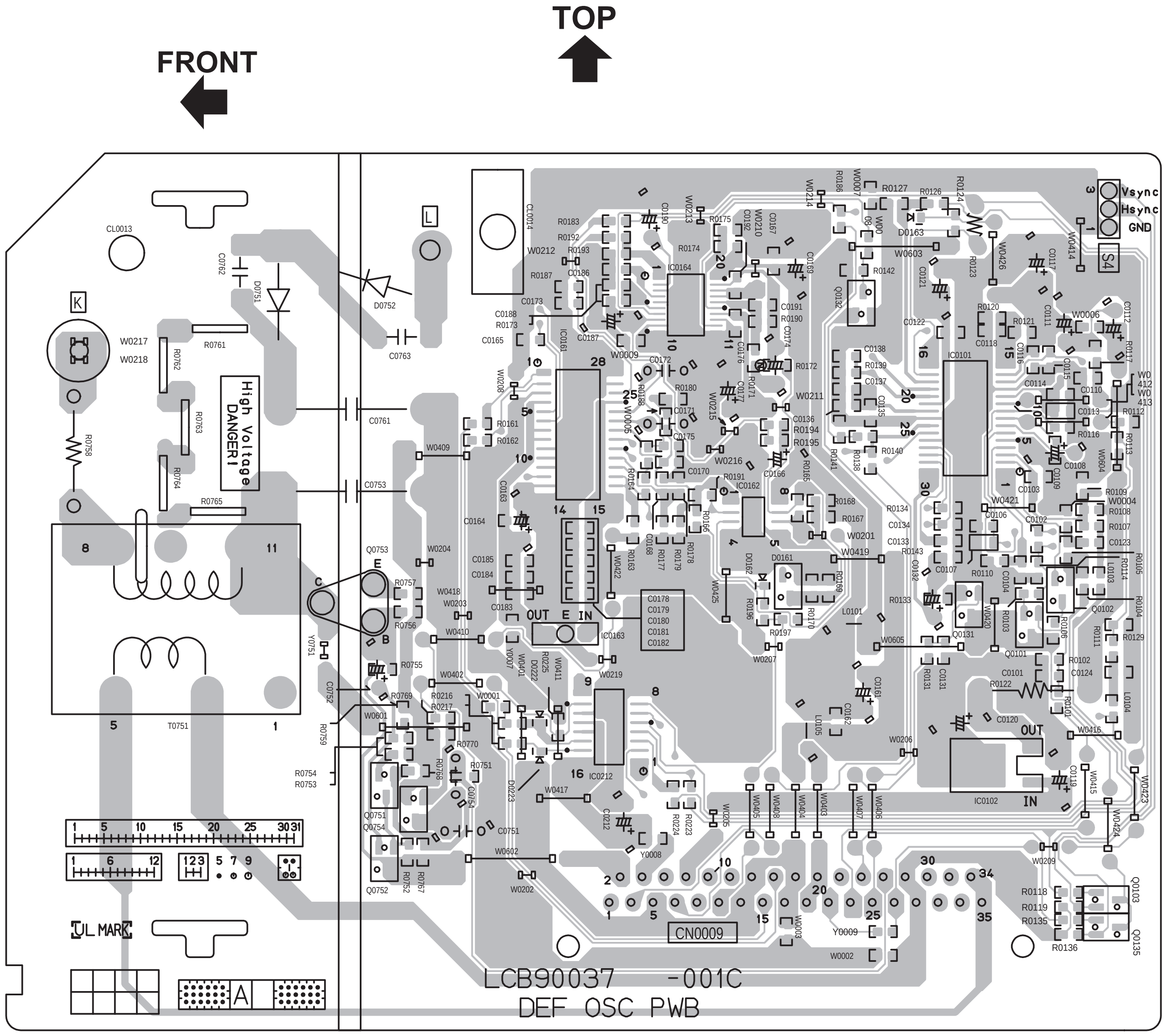
■ DOLBY PWB PATTERN [PARTS SIDE]


TOP
FRONT
SMF-0D401A
SMK-0D401A
DOLBY PB ASS'Y
COAX-IN
OPT-IN
AUDIO-OUT
SURROUND SP OUT
J001
J002
J003
J004
CN008
CN018
IC101
IC102
IC105
IC107
IC110
IC111
IC112
IC113
IC201
IC601
IC631
IC651
X101
X102
Y110
C553
C558
C134
D201
C201
C202
R202

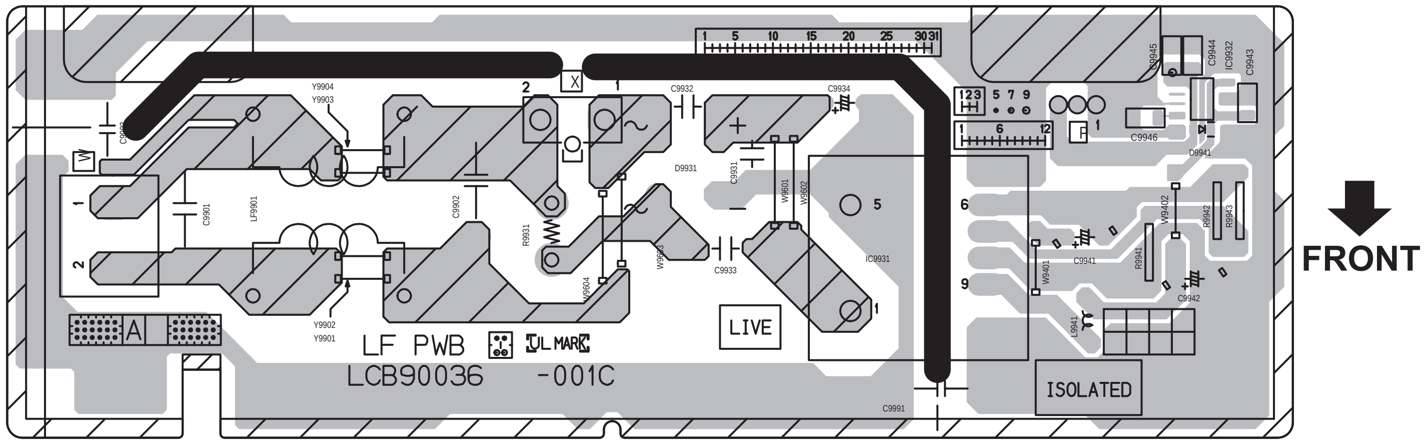
■ EHT PWB PATTERN


TOP
FRONT
EHT PWB
LCB90040 -001C
CN2010
UL MARK
IC2501
IC2502
IC2503
Q2503
Q2504
Q2505
D2501
D2502
D2503
D2504
D2506
D2507
D2509
D2510
D2512
R2534
R2535
R2539
C2514
R2509
C2504
R2510
W2217
W2216
W2220
W2405
W2404
W2403
A
B
C
D
E
0
1
2
3

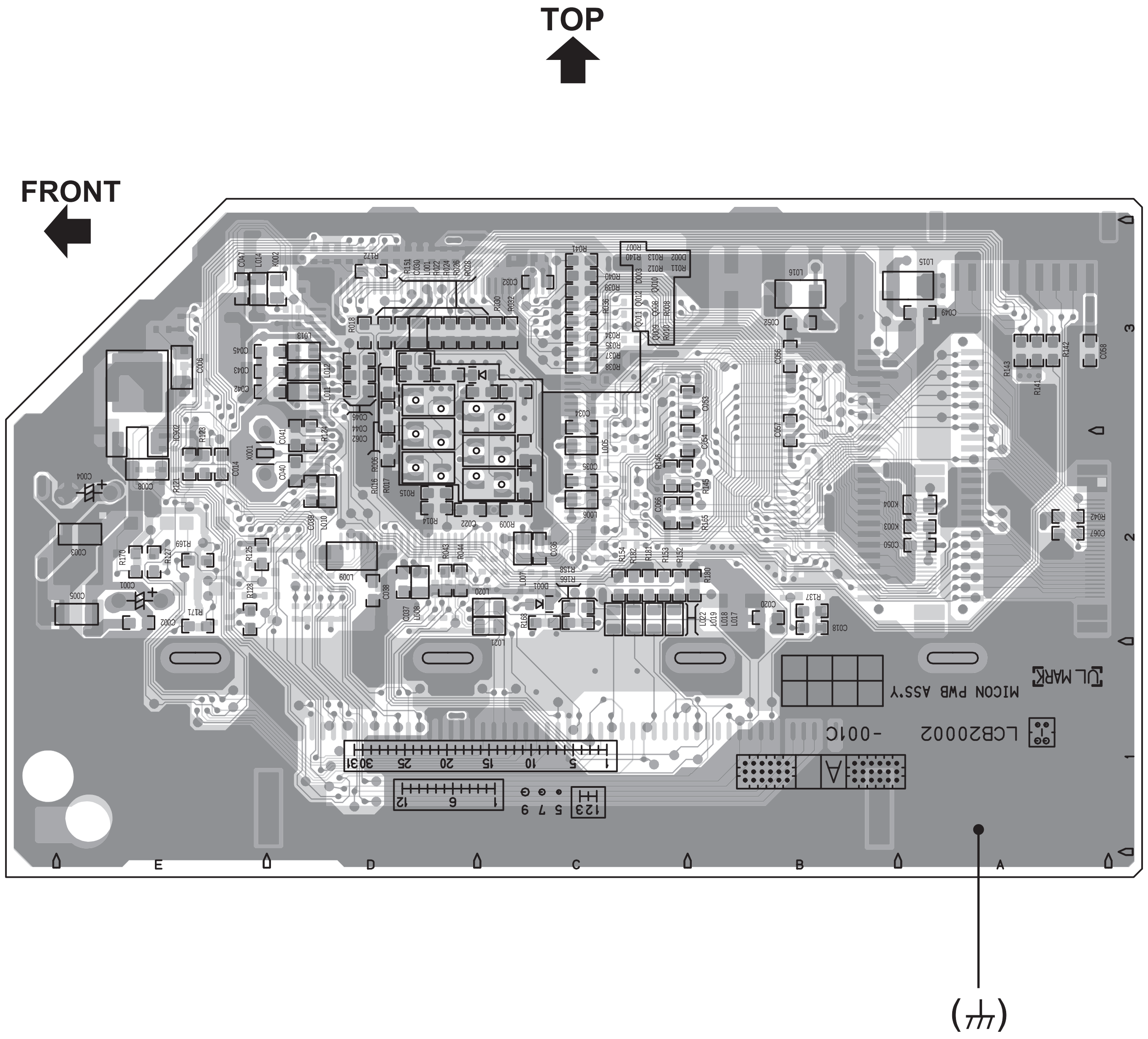
■ DEF OSC PWB PATTERN


TOP
FRONT
High Voltage DANGER!
Vsync
Hsync
GND
S4
T0751
CN0009
IC0101
IC0102
IC0161
IC0163
IC0164
IC0212
OUT
IN
LCB90037 -001C
DEF OSC PWB
UL MARK

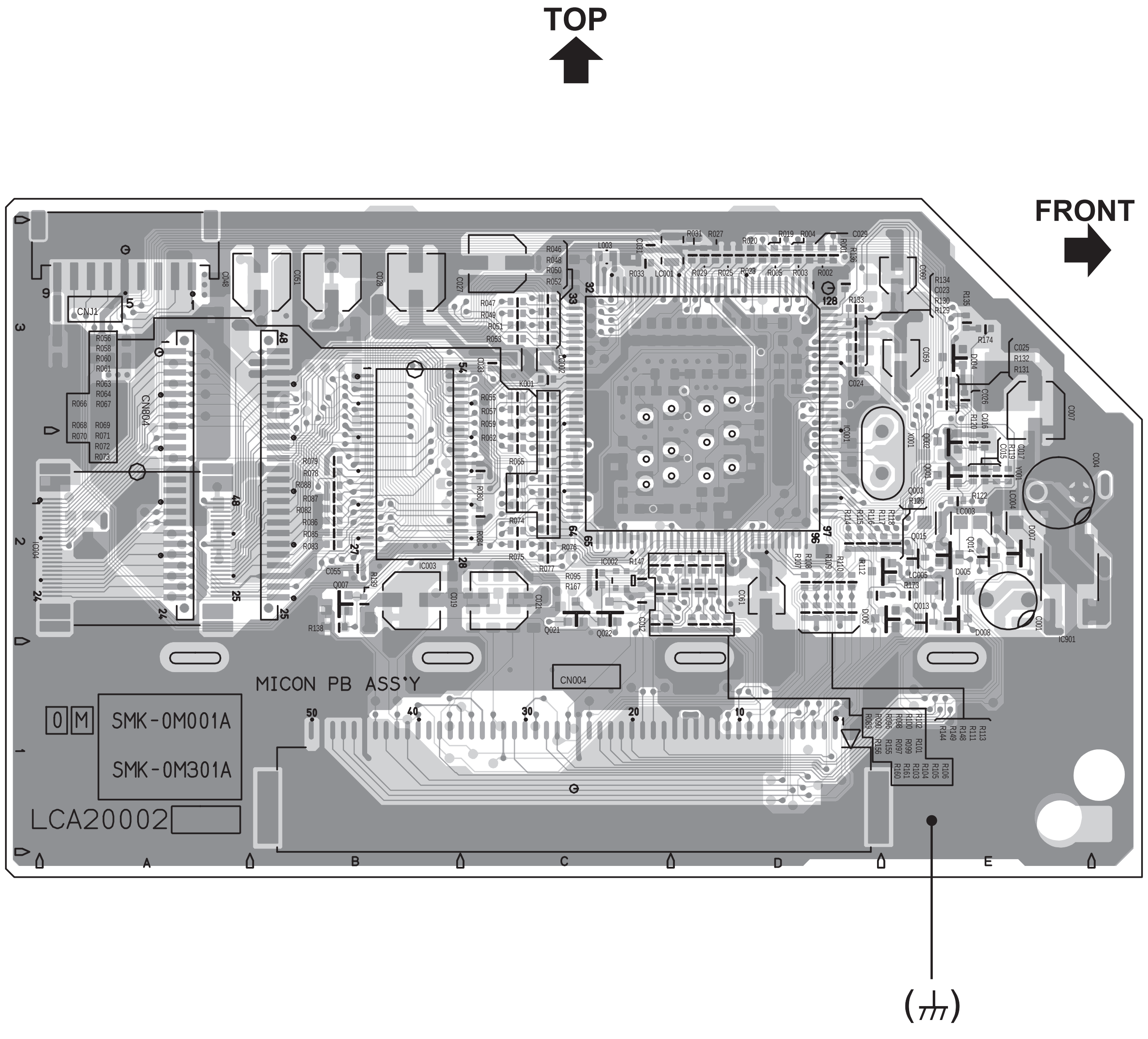
■ LINE FILTER PWB PATTERN


FRONT
LF PWB
LCB90036 -001C
LIVE
ISOLATED
UL MARK
IC9931
D9931
LF9901
C9901
C9932
C9933
C9934
C9941
C9942
C9946
C9991
Y9901
Y9902
Y9903
Y9904

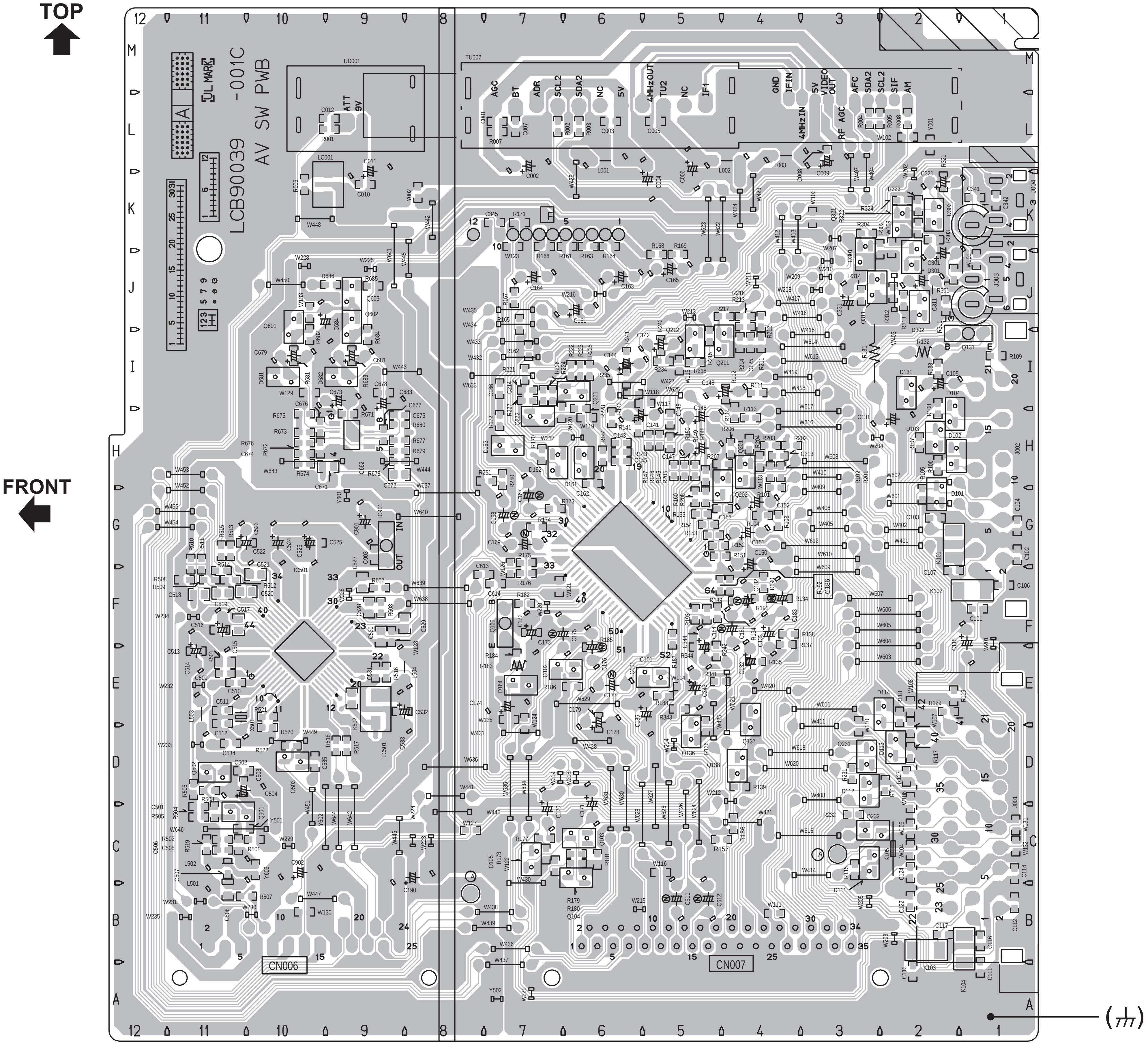
■ MICOM PWB PATTERN [SOLDER SIDE]


TOP
FRONT
MICON PWB ASS'Y
LCB20002
-001C
A
B
C
D
E
1
2
3
(⏚)

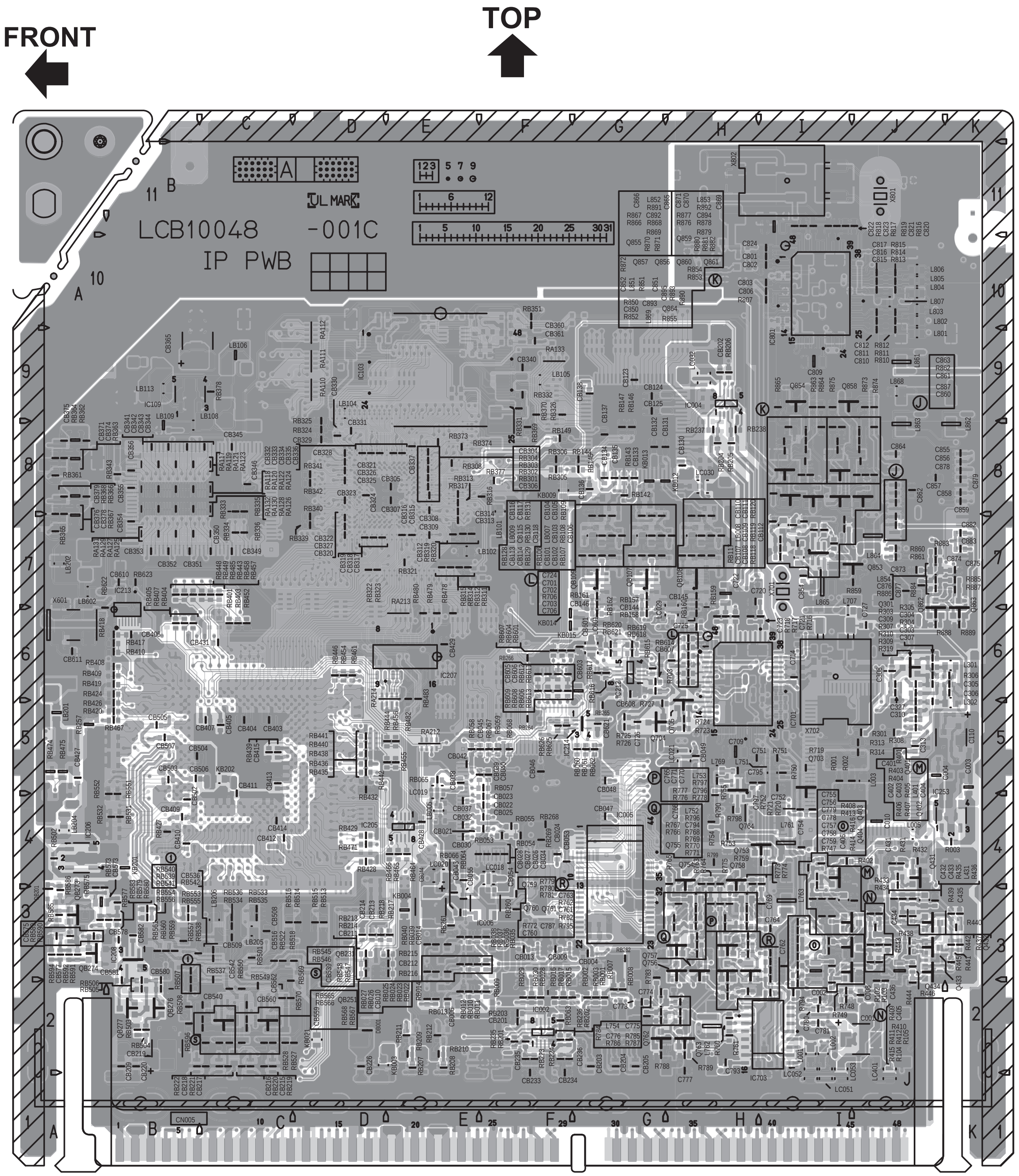
■ MICOM PWB PATTERN [PARTS SIDE]


TOP
FRONT
MICON PB ASS'Y
SMK-0M001A
SMK-0M301A
LCA20002
CN004
A
B
C
D
E
1
2
3
(⏚)

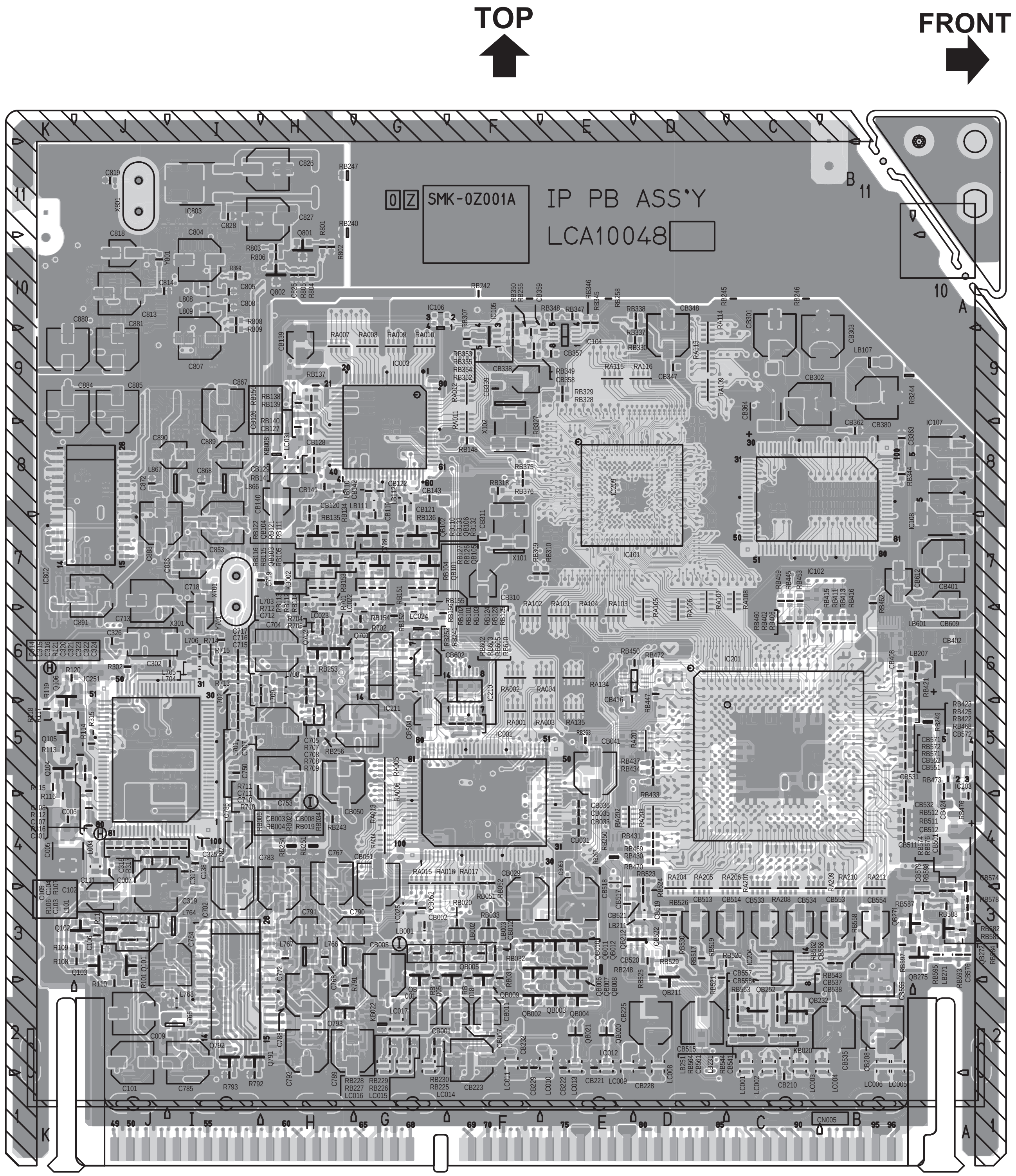
■ AV SW PWB PATTERN


TOP
FRONT
LCB90039 -001C
AV SW PWB
CN006
CN007
UD001
TU002
AGC
BT
ADR
SCL2
SDA2
NC
5V
4MHzOUT
TU2
NC
IF1
GND
IFIN
5V
VIDEO OUT
AFC
SDA2
SCL2
SIF
AM
4MHzIN
RF AGC
IC501
IC101
J001
J002
J003
J004
(⏚)

■ DIST PWB PATTERN [SOLDER SIDE]


FRONT
TOP
LCB10048 -001C
IP PWB
UL MARK

■ DIST PWB PATTERN [PARTS SIDE]


TOP
FRONT
SMK-0Z001A
IP PB ASS'Y
LCA10048

VOLTAGE CHARTS

<MAIN>

PIN NO.	VOLTAGE (V)
IC101	
1	4.5
2	4.5
3	4.5
4	4.7
5	4.7
6	4.6
7	4.6
8	4.6
9	4.8
10	4.7
11	9.2
12	4.6
13	4.6
14	4.6
15	4.7
16	4.7
17	4.6
18	4.6
19	4.6
20	4.7
21	4.7
22	0
23	4.8
24	4.8
25	4.5
26	4.5
27	4.5
28	9.2
29	4.8
30	4.8
31	4.4
32	0
33	4.5
34	0
35	4.6
36	4.6
IC201	
1	0.3
2	0.1
3	0.4
4	0.1
5	0
6	6.5
7	5.2
8	9.2
9	1.3
10	0
11	0
12	0
13	1.3
14	0
15	0
16	4.6
17	4.5
18	0
19	2.2
20	5.2
21	2.1
22	0.2
23	0.2
24	0.6
IC202	
1	3.2
2	3.2
3	3.2
4	0
5	3.2
6	3.2
7	3.2
8	3.6
IC331	
1	0
2	0
3	0
4	0
5	0
6	2.6
7	2.6
8	0
9	0
10	0
11	0
12	0
13	5.2
14	4.8
15	4.8
16	5.2
IC401	
1	3.3
2	0
3	3.3
4	3.3
5	0
6	3.3
7	0
8	3.3
9	0
10	3.4
11	0
12	3.5
13	3.5
14	3.6
IC402	
1	3.8
2	0
3	3.0
4	3.4
5	3.4
6	3.4
7	0
8	3.4
9	3.4
10	0
11	3.3
12	3.3
13	3.3
14	3.4
IC551	
1	9.0
2	9.0
3	6.8
4	6.8
5	0
6	2.6
7	3.5
8	1.3
9	1.3
10	1.0
IC571	
1	0
2	0
3	0
4	6.8
5	0
6	5.5
7	5.5
8	5.6
9	4.6
10	12.6
IC601	
1	0
2	0
3	0
4	0
5	32.0
6	0
7	0
8	0
9	0
10	4.6
11	0
12	0
13	16.2
14	0
15	0
16	0
17	0
18	0
19	33.1
20	15.8
21	33.2
22	0
23	16.0
IC602	
1	0
2	0
3	0
4	0
5	26.3
6	0
7	0
8	0
9	0
10	4.4
11	0
12	0
13	13.0
14	0
15	4.6
16	0
17	0
18	0
19	28.0
20	12.8
21	28.3
22	0
23	12.6
IC701	
1	0
2	0
3	0
4	0
5	3.4
6	3.2
7	0
8	3.6
IC706	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	3.2
11	0
12	5.0
13	0
14	4.6
15	4.8
16	5.3
IC901	
1	15.0
2	13.0
3	0
4	15.0
IC904	
1	20.4
2	20.0
3	0
4	3.4
5	2.6
IC906	
1	20.0
2	15.6
3	0
IC907	
1	9.5
2	5.0
3	0
IC908	
1	5.0
2	2.8
3	0
4	2.4
Q001	
E	2.0
C	9.2
B	2.8
Q101	
E	3.9
C	0
B	4.5
Q102	
E	3.9
C	9.2
B	4.5
Q103	
E	3.8
C	9.2
B	4.4
Q111	
E	3.9
C	9.2
B	4.5
Q112	
E	3.8
C	9.2
B	4.5
Q113	
E	3.9
C	0
B	4.5
Q351	
E	0
C	0
B	0
Q352	
E	8.4
C	8.6
B	8.6
Q355	
E	0
C	0
B	0
Q371	
E	3.0
C	9.8
B	4.0
Q372	
E	3.0
C	9.8
B	4.0
Q381	
E	2.8
C	8.8
B	0
Q402	
E	0
C	3.2
B	0.8
Q561	
E	3.4
C	0
B	2.8
Q562	
E	2.6
C	11.0
B	3.3
Q563	
E	4.0
C	0
B	3.6
Q571	
E	10.4
C	0.8
B	12.0
Q572	
E	0
C	0
B	0
Q601	
E	0
C	0
B	0
Q602	
E	0
C	0
B	0
Q603	
E	0
C	0
B	0
Q604	
E	0
C	0
B	0
Q605	
E	0
C	4.4
B	0
Q606	0
E	0
C	0
B	0.8
Q608	
E	0
C	0
B	0
Q609	
E	0
C	4.8
B	0
Q611	
E	2.6
C	2.6
B	2.0
Q612	
E	0
C	0
B	0
Q613	
E	0
C	0
B	1.4
Q614	
E	0
C	0
B	1.4
Q615	
E	0
C	0
B	0
Q616	
E	0
C	4.8
B	0
Q617	
E	0
C	0
B	0
Q618	
E	0
C	4.8
B	0
Q624	
E	0
C	0
B	0
TU001	
1(AGC)	2.0
2(BT)	5.3
3(ADR)	0.0
4(SCL)	4.4
5(SDA)	4.5
6(NC)	0.0
7(5V)	5.1
8(4MHz OUT)	0.0
9(TU2)	34.2
10(NC)	0.0
11(IF1)	0.0
12(GND)	0.0
13(IFIN)	0.0
14(4MHz IN)	0.0
15(5V)	5.1
16(VIDEO OUT)	1.8
17(RF AGC)	2.0
18(AFC)	1.5
19(SW1)	0.0
20(SW0)	0.0
21(SIF)	0.0
22(AM)	2.6
CN004	
1	0.0
2	0.0
3	2.9
4	2.6
5	2.7
6	0.0
7	2.6
8	0.0
9	2.6
10	0.0
11	2.6
12	0.0
13	0.0
14	5.0
15	5.0
16	0.0
17	0.0
18	2.8
19	3.0
20	4.4
21	4.4
22	0.0
23	4.4
24	0.0
25	0.0
26	3.0
27	0.0
28	2.6
29	0.0
30	1.2
31	0.0
32	1.2
33	0.0
34	0.0
35	0.0
36	2.6
37	0.0
38	2.0
39	0.0
40	2.7
41	3.3
42	-
43	4.2
44	2.0
45	0.0
46	0.0
47	1.0
48	0.0
49	0.0
50	0.0
CN005	
1	0.0
2	2.8
3	0.0
4	10.2
5	3.3
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	1.0
12	0.0
13	0.0
14	4.4
15	4.4
16	0.0
17	3.6
18	3.4
19	3.5
20	0.0
21	5.1
22	5.1
23	0.0
24	0.0
25	0.0
26	4.0
27	4.2
28	0.0
29	0.0
30	4.0
31	4.0
32	0.5
33	0.0
34	2.0
35	1.5
36	0.6
37	0.0
38	1.9
39	1.9
40	2.0
41	0.0
42	0.0
43	0.0
44	0.0
45	0.0
46	0.0
47	0.0
48	0.0
49	3.7
50	4.4
51	3.6
52	4.6
53	0.0
54	0.0
55	0.0
56	0.0
57	0.0
58	0.0
59	0.0
60	1.9
61	0.0
62	0.0
63	0.0
64	1.9
65	0.0
66	0.0
67	0.0
68	4.0
69	0.0
70	0.0
71	0.0
72	4.0
73	0.0
74	0.0
75	0.0
76	5.1
77	0.0
78	0.0
79	3.5
80	3.5
81	0.0
82	4.4
83	4.4
84	0.0
85	0.0
86	1.0
87	0.0
88	2.8
89	2.6
90	2.5
91	5.0
92	4.0
93	9.4
94	0.0
95	2.7
96	0.0

<AW SW>

PIN NO.	VOLTAGE (V)
IC101	
1	4.0
2	2.0
3	4.0
4	1.9
5	3.1
6	4.2
7	0.0
8	4.0
9	1.9
10	0.0
11	1.9
12	0.0
13	4.3
14	0.0
15	4.0
16	1.9
17	4.0
18	1.9
19	0.0
20	4.2
21	0.0
22	4.2
23	1.9
24	4.0
25	1.9
26	3.0
27	0.0
28	0.0
29	0.0
30	4.0
31	1.9
32	0.0
33	4.2
34	4.2
35	0.0
36	0.0
37	4.6
38	4.6
39	4.0
40	4.6
41	6.0
42	9.4
43	4.6
44	3.8
45	4.6
46	4.0
47	4.5
48	0.0
49	4.8
50	3.8
51	3.0
52	4.6
53	4.6
54	4.6
55	3.8
56	4.3
57	0.0
58	4.4
59	2.0
60	4.0
61	0.0
62	1.9
63	4.6
64	1.9
IC501	
1	5.1
2	1.2
3	1.0
4	0.0
5	0.5
6	2.0
7	0.0
8	0.0
9	0.0
10	2.2
11	5.0
12	4.4
13	4.2
14	0.0
15	0.0
16	0.0
17	0.0
18	0.0
19	5.0
20	0.0
21	0.0
22	4.0
23	0.0
24	0.0
25	0.0
26	0.0
27	0.0
28	0.0
29	0.0
30	4.0
31	4.0
32	0.0
33	8.0
34	2.2
35	0.0
36	1.0
37	1.8
38	2.0
39	0.0
40	1.8
41	1.9
42	2.6
43	2.4
44	0.0
IC662	
1	4.6
2	4.6
3	4.6
4	0.0
5	4.6
6	4.6
7	4.6
8	9.2
IC901	
1	8.0
2	8.0
3	0.0
Q101	
E	3.6
C	9.4
B	4.3
Q102	
E	3.1
C	9.4
B	3.7
Q103	
E	0.0
C	0.0
B	0.0
Q104	
E	0.0
C	0.0
B	0.0
Q105	
E	0.0
C	0.0
B	0.0
Q106	
E	5.2
C	9.4
B	5.9
Q131	
E	3.4
C	0.0
B	2.7
Q136	
E	0.0
C	0.0
B	0.0
Q137	
E	0.0
C	0.0
B	0.0
Q138	
E	0.0
C	0.0
B	0.0
Q201	
E	0.0
C	4.3
B	0.0
Q202	
E	0.0
C	3.7
B	0.0
Q211	
E	0.0
C	6.8
B	0.0
Q212	
E	0.0
C	6.8
B	0.0
Q221	
E	0.0
C	6.8
B	0.0
Q222	
E	0.0
C	6.8
B	0.0
Q301	
E	3.8
C	0.0
B	4.4
Q311	
E	3.1
C	9.2
B	3.7
Q321	
E	3.1
C	9.2
B	3.7
Q501	
E	2.2
C	6.7
B	2.9
Q502	
E	6.1
C	9.2
B	6.8
Q601	
E	0.0
C	0.0
B	0.0
Q602	
E	0.0
C	0.0
B	0.0
Q603	
E	0.0
C	0.0
B	0.0
TU002	
1(AGC)	4.0
2(BT)	32.5
3(ADR)	4.9
4(SCL)	4.5
5(SDA)	4.6
6(NC)	0.0
7(5V)	4.9
8(4MHz OUT)	0.0
9(TU2)	32.6
10(NC)	0.0
11(IF1)	0.0
12(GND)	0.0
13(IFIN)	0.0
14(4MHz IN)	0.0
15(5V)	5.0
16(VIDEO OUT)	2.1
17(RF AGC)	4.0
18(AFC)	2.3
19(SW1)	0.0
20(SW0)	4.6
21(SIF)	2.1
22(AM)	2.4

<EHT>

PIN NO.	VOLTAGE (V)
IC2501	
1	0
2	-
3	0
4	0
5	8.0
6	0.8
7	0.8
8	12.0
Q2502	
E	10.2
C	0.8
B	9.6
Q2503	
E	12.0
C	11.1
B	11.4
Q2504	
E	0
C	0
B	0.6

<CRT SOCKET>

PIN NO.	VOLTAGE (V)
IC3101	
1	2.2
2	2.9
3	3.6
4	4.3
5	2.5
6	11.6
7	0.2
8	0
9	0
10	212.4
11	0
12	165.6
13	164.9
IC3201	
1	2.5
2	3.2
3	3.6
4	4.3
5	2.6
6	11.6
7	0.3
8	0
9	0
10	212.3
11	0
12	161.5
13	160.5
IC3301	
1	2.3
2	3.0
3	3.6
4	4.3
5	2.5
6	11.6
7	0.3
8	0
9	0
10	0
11	0
12	163.2
13	162.5
Q3701	
E	3.4
C	36.7
B	4.1
Q3702	
E	37.4
C	17.0
B	36.7
Q3703	
E	16.5
C	37.4
B	17.0
Q3704	
E	16.6
C	0
B	16.3
Q3705	
G	181.5
S	184.9
D	91.3
Q3706	
G	1.3
S	0
D	9.13

<DOLBY>

PIN NO.	VOLTAGE (V)
31	0
32	0
33	0
34	0
35	0
36	3.2
37	0
38	0
39	0
40	1.2
41	0
42	3.7
43	1.2
44	0
45	0
46	0
47	3.2
48	3.2
49	3.2
50	0
51	0
52	0
53	3.3
54	0
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	3.2
65	0
66	3.2
67	3.3
68	0
69	0
70	0
71	3.2
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	3.2
82	3.3
83	0
84	0
85	0
86	0
87	0
88	3.3
89	0
90	0
91	0
92	3.2
93	0
94	0
95	0
96	0
97	0
98	0
99	0
100	0
IC110	
1	3.3
2	3.2
3	0
4	0
IC111	
1	5.0
2	0
3	3.3
IC112	
1	3.2
2	3.2
3	3.0
4	3.0
5	0
6	0
7	2.8
8	3.3
9	0
10	2.7
11	2.8
12	0
13	3.0
14	3.0
15	3.1
16	3.1
17	3.0
18	3.0
19	3.0
20	3.2
21	3.2

PIN NO.	VOLTAGE (V)
IC102	
1	3.7
2	1.7
3	1.8
4	1.6
5	3.3
6	0.4
7	0
8	0.4
9	0.4
10	0.4
11	0
12	0.3
13	0
14	3.3
IC105	
1	0
2	0
3	0
4	1.6
5	1.7
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	5.0
15	0
16	0
17	0
18	0
19	0
20	5.0
21	0
22	0
23	2.5
24	2.5
25	2.5
26	2.5
27	0
28	2.5
29	0
30	5.2
31	5.2
32	5.2
33	0
34	2.5
35	5.0
36	5.0
37	0
38	0
39	1.4
40	0
41	3.3
42	3.3
43	0
44	0
IC107	
1	5.0
2	0
3	3.3
IC108	
1	3.3
2	3.2
3	0
4	5.0
5	5.0
IC109	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	3.3
10	1.7
11	3.3
12	0
13	3.3
14	0.3
15	3.3
16	0
17	0
18	0
19	0
20	0
21	3.0
22	3.2
23	3.2
24	0
25	0
26	0
27	0
28	0
29	0
30	0

PIN NO.	VOLTAGE (V)
IC101	
1	3.2
2	0
3	3.1
4	3.3
5	0
6	3.2
7	3.1
8	3.2
9	3.2
10	3.2
11	3.2
12	0
13	0
14	1.6
15	1.6
16	1.2
17	0.6
18	0
19	0
20	0
21	0
22	1.9
23	0
24	3.3
25	1.6
26	1.6
27	3.3
28	3.3
29	0
30	0
31	0
32	3.3
33	3.3
34	1.6
35	0
36	3.3
37	1.6
38	3.2
39	3.3
40	1.6
41	3.3
42	3.3
43	1.6
44	3.3
45	0
46	0
47	1.4
48	0
49	0
50	3.2
51	0
52	3.2
53	3.2
54	2.7
55	2.7
56	2.7
57	2.7
58	0
59	2.7
60	2.7
61	2.7
62	0
63	3.2
64	3.2
65	3.1
66	0
67	3.0
68	3.0
69	3.0
70	3.0
71	3.3
72	3.0
73	3.0
74	3.0
75	3.2
76	3.2
77	3.2
78	0
79	3.3
80	0
81	0
82	3.3
83	3.2
84	3.2
85	0
86	0
87	0
88	0
89	0
90	3.2
91	1.0
92	3.2
93	3.2
94	0
95	0
96	0
97	0
98	1.3
99	1.3
100	3.3

PIN NO.	VOLTAGE (V)
22	2.8
23	2.7
24	3.3
25	0
26	2.7
27	2.8
28	0
29	0
30	0
31	3.1
32	0
IC113	
1	0.4
2	1.7
3	1.6
4	0
5	0
6	1.5
7	3.3
8	3.3
IC202	
1	9.2
2	9.2
3	9.2
4	0
5	9.2
6	9.2
7	9.2
8	17.4
IC203	
1	9.2
2	9.2
3	9.2
4	0
5	9.2
6	9.2
7	9.2
8	17.4
IC303	
1	9.2
2	9.2
3	0
4	0
5	9.1
6	9.2
7	9.2
8	17.4
IC404	
1	9
2	9.1
3	9.1
4	0
5	9.1
6	9.1
7	8.9
8	17.4
IC601	
1	4.6
2	4.6
3	4.6
4	0.3
5	4.6
6	0.3
7	0
8	4.6
9	0
10	0
11	4.6
12	9.2
13	4.6
14	4.6
15	0
16	4.6
17	0
18	0
IC631	
1	4.6
2	4.6
3	4.6
4	0.3
5	4.6
6	0.3
7	9.2
8	4.6
9	0
10	4.6
11	4.5
12	9.2
13	4.7
14	4.7
15	4.6
16	4.7
17	4.6
18	4.7
IC651	
1	4.6
2	4.6
3	4.6
4	0.4
5	4.6
6	0.5

PIN NO.	VOLTAGE (V)
7	4.6
8	4.6
9	0
10	4.6
11	4.6
12	9.2
13	4.6
14	4.6
15	4.6
16	4.6
17	4.6
18	4.6
IC704	
1	9.2
2	9.2
3	9.1
4	0
5	9.1
6	9.2
7	9.2
8	17.4
Q101	
E	3.3
C	3.2
B	0
Q102	
E	0
C	0
B	3.3
Q103	
E	0
C	0
B	3.2
Q401	
E	0
C	0
B	3.3
Q402	
E	0
C	14.4
B	0
Q501	
E	0
C	0
B	8.0
Q502	
E	0
C	8.0
B	0
Q701	
E	0
C	9.9
B	0
Q702	
E	0
C	0
B	0
Q703	
E	0
C	0
B	-0.1
Q704	
E	0
C	0
B	0
Q705	
E	0
C	0
B	0
Q706	
E	6.7
C	6.6
B	6.1
Q707	
E	0
C	0
B	1.2
Q708	
E	0
C	0
B	1.2
Q709	
E	0.2
C	-0.2
B	0
Q710	
E	0
C	0
B	-0.3
Q711	
E	0
C	0
B	9.9
Q712	
E	0
C	17.4
B	0
Q713	
E	0
C	0
B	14.4

PIN NO.	VOLTAGE (V)
Q702	
E	0
C	0
B	0
Q703	
E	0
C	0
B	-0.1
Q704	
E	0
C	0
B	0

<DEF OSC>

PIN NO.	VOLTAGE (V)
IC0101	
1	4.7
2	0.1
3	0.0
4	7.4
5	0.0
6	0.1
7	0.1
8	0.1
9	0.1
10	6.6
11	0.1
12	0.0
13	9.3
14	9.1
15	9.6
16	2.6
17	0.0
18	0.6
19	4.9
20	7.0
21	11.9
22	6.0
23	0.0
24	0.0
25	0.1
26	0.0
27	1.9
28	-
29	5.5
30	6.0
IC0102	
1	14.9
2	0.0
3	12.1
IC0161	
1	4.2
2	4.3
3	0.0
4	5.0
5	8.0
6	0.0
7	5.0
8	0.0
9	0.0
10	0.0
11	0.0
12	3.2
13	0.0
14	0.0
15	12.3
16	5.2
17	5.1
18	4.0
19	0.0
20	2.0
21	3.9
22	2.5
23	1.2
24	0.0
25	12.0
26	3.2
27	0.0
28	0.0
IC0163	
1	12.2
2	5.2
3	0.0
IC0164	
1	4.0
2	1.8
3	0.0
4	4.6
5	0.0
6	2.0
7	0.0
8	9.3
9	0.0
10	0.0
11	0.0
12	5.4
13	0.0
14	12.0
15	1.8
16	4.4

PIN NO.	VOLTAGE (V)
17	0.0
18	0.0
19	4.0
20	14.0
IC0212	
1	0.6
2	0.6
3	2.2
4	2.5
5	0.6
6	0.5
7	0.0
8	0.0
9	0.6
10	1.1
11	0.0
12	5.2
13	5.2
14	4.4
15	4.2
16	4.2
Q0101	
E	0.1
C	0.0
B	0.2
Q0102	
E	0.0
C	11.8
B	0.3
Q0103	
E	0.2
C	11.9
B	0.1
Q0131	
E	0.0
C	11.9
B	0.0
Q0132	
E	0.0
C	4.2
B	0.0
Q0135	
E	0.0
C	11.9
B	0.0
Q0751	
E	24.3
C	4.4
B	23.5
Q0752	
E	24.5
C	36.2
B	24.5
Q0753	
E	3.3
C	320.0
B	3.5
Q0754	
E	0.0
C	0.0
B	0.0

<FRONT CONTROL>

PIN NO.	VOLTAGE (V)
IC851	
1	5.1
2	5.4
3	0
Q8801	
E	3.3
C	-1.6
B	3.3
Q8802	
E	3.1
C	1.9
B	0.5
Q8803	
E	0.1
C	0.2
B	0.1

<LINE FILTER>

PIN NO.	VOLTAGE (V)
IC9932	
1	5.0
2	0
3	-
4	0
5	0
6	0
7	5.6

<POWER & DEF>

PIN NO.	VOLTAGE (V)
IC401	
1	0.0
2	-14.5
3	0.0
4	40.0
5	0.0
6	0.0
7	15.2
8	-14.3
9	40.0
10	-
IC901	
1	2.8
2	0.0
3	310.0
4	20.2
5	0.0
IC951	
1	7.8
2	11.0
3	0.0
Q401	
E	0.0
C	12.0
B	0.0
Q402	
E	0.0
C	1.8
B	0.0
Q461	
E	3.8
C	12.4
B	3.2
Q462	
E	3.8
C	0.0
B	3.2
Q463	
S	0
D	34.8
G	3.9
Q464	
E	0.0
C	3.4
B	1.8
Q501	
E	2.8
C	12.3
B	2.4
Q502	
E	0.0
C	18.3
B	0.0
Q521	
E	0
C	-2.3
B	0
Q522	
E	0
C	194
B	0
Q523	
E	2.3
C	12.2
B	2.4
Q551	
S	0
D	238
G	1.5
Q553	
E	2.2
C	12.3
B	3.4
Q554	
E	2.4
C	0.0
B	2.1
Q943	
E	0.0
C	0.0
B	0.0
Q953	
E	0.0
C	15.3
B	0.0
Q954	
E	0.0
C	2.8
B	0.0
PC901	
1	11.3
2	10.3
3	7.1
4	5.4

HV-32D25EUW
HV-32D25EJW

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0212 WPC

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those wphich are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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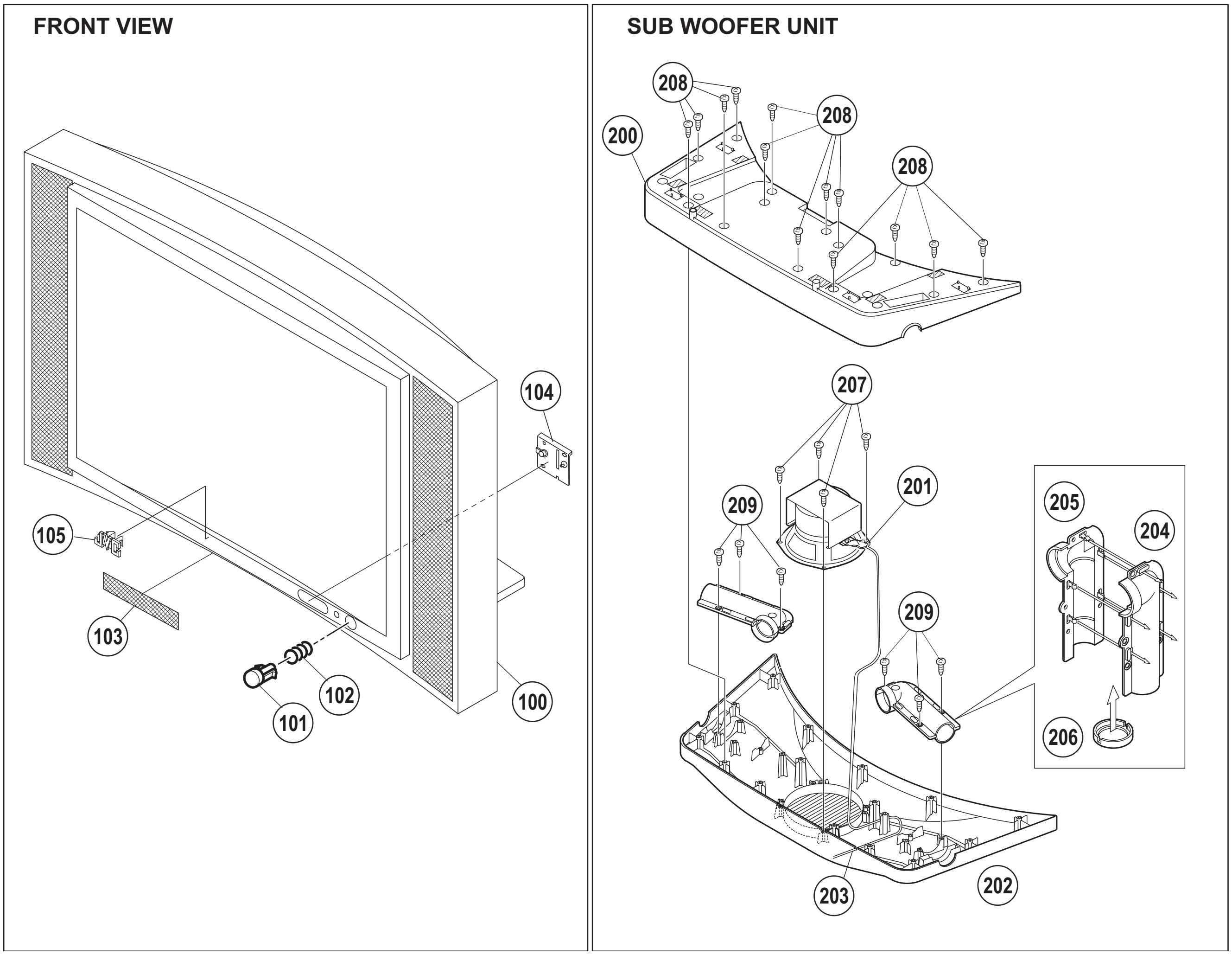
USING P.W. BOARD & REMOTE CONTROL UNIT

Model PWB ASS’Y	HV-32D25EUW	HV-32D25EJW
MAIN PWB	SMK-1001A-U2	⟵
POWER & DEF. PWB	SMK-2001A-U2	⟵
CRT SOCKET PWB	SMK-3001A-U2	⟵
FRONT CONTROL PWB	SMK-8001A-U2	⟵
SIDE CONTROL PWB	SMK-8101A-U2	⟵
LINE FILTER PWB	SMK-9001A-U2	⟵
DOLBY PWB	SMK-0D001A-U2	⟵
EHT PWB	SMK-0E001A-U2	⟵
DEF OSC PWB	SMK-0H001A-U2	⟵
MICOM PWB	SMK-0M001A-U2	⟵
AV SW PWB	SMK-0S001A-U2	⟵
DIST PWB	SMK-0Z001A-U2	⟵
REMOTE CONTROL UNIT	RM-C61-1C	RM-C62-1C

EXPLODED VIEW PARTS LIST -1

⚠	Ref.No.	Part No.	Part Name	Description	Local
	100	LC11360-006A-U	FRONT CABINET ASSY	Include 101-103	
	101	LC31201-003A-U	POWER KNOB		
	102	AEM3149-001-E	SPRING		
	103	LC21031-001C-U	SPEAKER PANEL		
	104	LC31851-001B-C	WINDOW		
	105	LC41250-002C-C	JVC MARK		
	200	LC11309-001B-U	SP BOX B		
	201	QAS0118-001	SPEAKER	SP04	
	202	LC11308-001B-U	SP BOX T		
	203	WJJ0340-002A	E-SI C WIRE C-C		
	204	AEM2250-002A-U	BASS INT.DUCT L	(x2)	
	205	AEM2250-001A-U	BASS INT.DUCT R	(x2)	
	206	LC31935-001A-C	PORT SPACER	(x2)	
	207	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x4)	
	208	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x13)	
	209	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x6)	

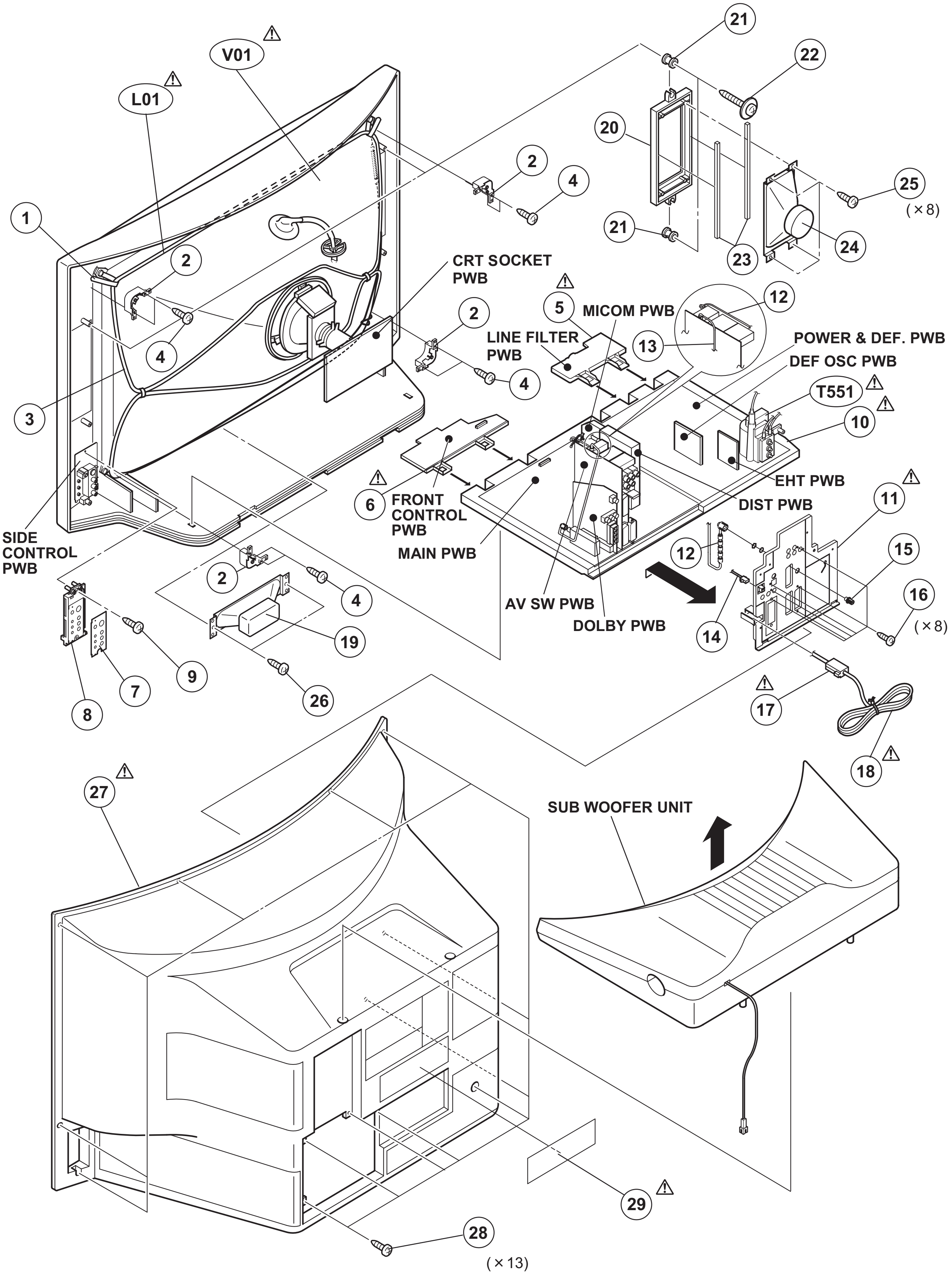
EXPLODED VIEW -1


FRONT VIEW
104
105
103
101
102
100
SUB WOOFER UNIT
208
200
208
208
207
201
209
205
204
209
206
203
202

EXPLODED VIEW PARTS LIST -2

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	S76LUV350X96	PICTURE TUBE (ITC)	Included DY, PC MAGNET, WEDGE	
⚠	L01	QQW0165-001	DEG COIL	Included ROTATION, N/S COIL	
⚠	T551	QQH0149-001	FB TRANSF		
	1	WJY0013-003A	E-BRAIDED ASSY		
	2	LC20508-001D-U	ADAPTER	(x4)	
	3	WJY0001-010A	E-BRAIDED ASSY		
	4	QYSBSAG4016N	TAP SCREW	(x8)	
⚠	5	LC11498-001B-U	LF PCB BASE		
⚠	6	LC11311-002A-U	CONTROL BASE		
	7	LC31205-003A-U	CONTROL SHEET		
	8	LC10856-002A-U	SIDE CONT BASE		
	9	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm	
⚠	10	LC10716-004A-U	CHASSIS BASE		
⚠	11	LC11499-001B-U	AV BOARD		
	12	WJX0006-001A	E-COAXIAL ASSY		
	13	WJX0005-002A	E-COAXIAL ASSY		
	14	WJJ0339-002A	E-SI C WIRE C-C	WOOFER	
	15	QNB0112-001	ANT TERMINAL		
	16	QYSBSF3012M	TAP SCREW	3.0mm x 12mm(x8)	
⚠	17	CM46618-A01-E	POWER CORD CLAMP		
⚠	18	QMPK160-185-JC	POWER CORD(EU)	1.85m BLACK	EUW
⚠	18	QMPN130-185-JC	POWER CORD(EK)	1.85m BLACK	EJW
	19	QAS0110-001	SPEAKER	SP03	
	20	LC11310-001B-U	SPEAKER ADAPTER	(x2)	
	21	LC40226-003A-H	SPACER	(x4)	
	22	LC40506-001A	TAP SCREW	(x4)	
	23	AEM4111-001A-U	SPONGE	(x4)	
	24	QAS0128-001	SPEAKER	SP01/SP02(x2)	
	25	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x8)	
	26	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x2)	
⚠	27	LC11316-002B-U	REAR COVER		
	28	QYSBSAG4016N	TAP SCREW	4.0mm x 16mm(x13)	
⚠	29	LC11548-003A-U	RATING RABEL		EUW
⚠	29	LC11364-018A-U	RATING LABEL		EJW

EXPLODED VIEW -2


V01
L01
1
2
3
4
CRT SOCKET PWB
5
MICOM PWB
LINE FILTER PWB
6
FRONT CONTROL PWB
MAIN PWB
AV SW PWB
DOLBY PWB
SIDE CONTROL PWB
7
8
9
10
11
12
13
14
15
16
(×8)
17
18
19
20
21
22
23
24
25
(×8)
26
27
28
(×13)
29
POWER & DEF. PWB
DEF OSC PWB
T551
EHT PWB
DIST PWB
SUB WOOFER UNIT

PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (SMK-1001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC101	AN15851A-W	IC		
IC201	TA1318N	IC	TV Component SYNC	
IC202	TC7W08F-X	IC		
IC301	AN5394FB	IC		
IC331	CXA1875AM-X	IC		
IC401	TC74HC02AF-X	SOP IC		
IC402	TC74HC14AF-X	IC		
IC551	LA6515	IC		
IC571	LA6515	IC		
IC601	AN7585	IC		
IC602	AN7585	IC		
IC701	AT24C-32D25EUW	IC	(SERVICE)	
IC703	R1141Q331B-X	IC		
IC706	JLC1562BF-X	IC		
IC707	JLC1562BF-X	IC		
IC901	PQ12RF1	IC		
IC902	SI-8090S	IC		
IC903	SI-8050S	IC	SW Regulator	
IC904	SI-8033S/F1	IC		
IC905	PQ070XH02Z-W	IC		
IC906	AN78L18-T	IC		
IC907	AN78L05-T	IC		
IC908	PQ15RW11	IC		
Q001	2SC2412K/QR/-X	TRANSISTOR		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SC2412K/QR/-X	TRANSISTOR		
Q111	2SC2412K/QR/-X	TRANSISTOR		
Q112	2SC2412K/QR/-X	TRANSISTOR		
Q113	2SC2412K/QR/-X	TRANSISTOR		
Q351	2SA1037AK/QR/-X	TRANSISTOR		
Q352	2SC2412K/QR/-X	TRANSISTOR		
Q355	2SC2412K/QR/-X	TRANSISTOR		
Q356	2SC2412K/QR/-X	TRANSISTOR		
Q361	2SC3837K/NP/-X	TRANSISTOR		
Q362	2SC3837K/NP/-X	TRANSISTOR		
Q363	2SC3837K/NP/-X	TRANSISTOR		
Q364	2SC2412K/QR/-X	TRANSISTOR		
Q371	2SA1022/BC/-X	TRANSISTOR		
Q372	2SC3837K/NP/-X	TRANSISTOR		
Q381	2SA1022/BC/-X	TRANSISTOR		
Q382	2SC3837K/NP/-X	TRANSISTOR		
Q391	2SA1022/BC/-X	TRANSISTOR		
Q392	2SC3837K/NP/-X	TRANSISTOR		
Q402	2SC3837K/NP/-X	TRANSISTOR		
Q403	2SC2412K/QR/-X	TRANSISTOR		
Q561	2SA1037AK/QR/-X	TRANSISTOR		
Q562	2SC2412K/QR/-X	TRANSISTOR		
Q563	2SA1037AK/QR/-X	TRANSISTOR		
Q571	2SA1037AK/QR/-X	TRANSISTOR		
Q572	2SC2412K/QR/-X	TRANSISTOR		
Q601	2SA1037AK/QR/-X	TRANSISTOR		
Q602	DTC144EKA-X	DIGI TRANSISTOR		
Q603	DTC323TK-X	DIGI TRANSISTOR		
Q604	DTC144EKA-X	DIGI TRANSISTOR		
Q605	DTC144EKA-X	DIGI TRANSISTOR		
Q606	2SC2412K/QR/-X	TRANSISTOR		
Q608	DTC144EKA-X	DIGI TRANSISTOR		
Q609	2SC2412K/QR/-X	TRANSISTOR		
Q611	2SA1037AK/QR/-X	TRANSISTOR		
Q612	DTC323TK-X	DIGI TRANSISTOR		
Q613	DTC323TK-X	DIGI TRANSISTOR		
Q614	DTC323TK-X	DIGI TRANSISTOR		
Q615	DTC144EKA-X	DIGI TRANSISTOR		
Q616	2SC2412K/QR/-X	TRANSISTOR		
Q617	DTC144EKA-X	DIGI TRANSISTOR		
Q618	2SC2412K/QR/-X	TRANSISTOR		
Q620	2SA1037AK/QR/-X	TRANSISTOR		
Q623	DTC323TK-X	DIGI TRANSISTOR		
Q624	2SA1037AK/QR/-X	TRANSISTOR		
D361	MA111-X	SI DIODE		
D362	MA111-X	SI DIODE		
D371	MA111-X	SI DIODE		
D372	MA111-X	SI DIODE		
D381	MA111-X	SI DIODE		
D382	MA111-X	SI DIODE		
D391	MA111-X	SI DIODE		
D392	MA111-X	SI DIODE		
D401	MA8030/H/-X	Z DIODE		
D421	MA8150/M/-X	Z DIODE		
D422	MA111-X	SI DIODE		
D561	MA3068/M/-X	Z DIODE		
D562	MA111-X	SI DIODE		
D601	MA3330/L/-X	Z DIODE		
D602	MA3330/L/-X	Z DIODE		
D603	MA3330/L/-X	Z DIODE		
D604	MA111-X	SI DIODE		
D606	MA111-X	SI DIODE		
D607	MA111-X	SI DIODE		
D608	MA111-X	SI DIODE		
D609	MA111-X	SI DIODE		
D610	MA111-X	SI DIODE		
D611	MA3330/L/-X	Z DIODE		
D612	MA3330/L/-X	Z DIODE		
D613	MA3330/L/-X	Z DIODE		
D614	MA111-X	SI DIODE		
D615	MA111-X	SI DIODE		
D616	MA111-X	SI DIODE		
D617	MA111-X	SI DIODE		
D618	MA111-X	SI DIODE		
D619	MA111-X	SI DIODE		
D620	MA111-X	SI DIODE		
D621	MA111-X	SI DIODE		
D622	MA111-X	SI DIODE		
D623	MA111-X	SI DIODE		
D624	MA111-X	SI DIODE		
D625	MA111-X	SI DIODE		
D626	MA111-X	SI DIODE		
D627	MA111-X	SI DIODE		
D629	MA111-X	SI DIODE		
D771	MA3056/M/-X	Z DIODE		
D772	MA3056/M/-X	Z DIODE		
D773	MA3056/M/-X	Z DIODE		
D774	MA3056/M/-X	Z DIODE		
D901	1SR35-400A-T5	SI DIODE		
D902	RK34-LFC4	SB DIODE		
D903	SF5S4	SB DIODE		
D904	SF5S4	SB DIODE		
D905	PTZ6.8B-X	Z DIODE		
D906	MA111-X	SI DIODE		
D991	MA111-X	SI DIODE		
D992	MA111-X	SI DIODE		
D993	MA111-X	SI DIODE		
D994	MA111-X	SI DIODE		
D995	MA111-X	SI DIODE		
D996	MA111-X	SI DIODE		
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C004	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C005	QETN1AM-228Z	E CAPACITOR	2200uF 10V M	
C006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C007	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1AM-108Z	E CAPACITOR	1000uF 10V M	
C010	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C011	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C013	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C014	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C106	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C107	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C108	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C110	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C111	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C112	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C113	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C117	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C118	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C119	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C120	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C123	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠ Ref No.	Part No.	Part Name	Description	Local
C201	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C202	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C203	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C205	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C206	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C207	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C208	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C302	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C303	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C304	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C305	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C306	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C317	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C318	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C319	NCB11CK-105X	C CAPACITOR	1uF 16V K	
C321	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C322	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C324	QETN1AM-227Z	E CAPACITOR	220uF 10V M	
C325	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C326	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C327	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C328	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C329	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C330	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C331	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C341	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C342	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C343	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C344	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C345	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C346	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C347	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C351	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C352	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C353	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C354	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C355	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C364	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C367	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C371	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C376	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C381	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C391	NCF11EZ-105X	C CAPACITOR	1uF 25V Z	
C404	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C405	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C406	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C407	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C421	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C431	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
C432	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C433	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C434	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C435	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C437	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C438	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C439	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C440	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C551	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C552	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C553	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C554	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C555	NCF31CZ-224X	C CAPACITOR	0.22uF 16V Z	
C560	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C571	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C572	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C573	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C575	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C576	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
C601	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C602	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C603	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C604	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C611	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C612	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C613	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C614	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C616	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C617	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C618	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C619	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C620	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C621	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C628	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C629	QETM1EM-338	E CAPACITOR	3300uF 25V M	
C630	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C631	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C633	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C634	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C635	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C643	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C644	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C645	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C646	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C647	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C648	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C651	QETN1HM-336Z	E CAPACITOR	33uF 50V M	
C653	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C654	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C701	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C705	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C711	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C715	NCB31CK-563X	C CAPACITOR	0.056uF 16V K	
C716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C901	QETN1EM-107Z	E CAPACITOR	100uF 25V M	
C902	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C903	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C905	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C906	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C907	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C909	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C911	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C912	QETM1EM-228	E CAPACITOR	2200uF 25V M	
C914	QEZ0256-128	E CAPACITOR	1200uF 10V M	
C916	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C917	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C918	QETN0JM-228Z	E CAPACITOR	2200uF 6.3V M	
C919	QETN1HM-107Z	E CAPACITOR	100uF 50V M	
C920	QETN1VM-477Z	E CAPACITOR	470uF 35V M	
C921	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C922	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C923	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C924	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C927	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
R002	NRSA63J-101X	MG RESISTOR	100W 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100W 1/16W J	
R004	NRSA63J-0R0X	MG RESISTOR	0W 1/16W J	
R005	NRSA63J-0R0X	MG RESISTOR	0W 1/16W J	
R006	NRSA63J-0R0X	MG RESISTOR	0W 1/16W J	
R007	NRSA63J-222X	MG RESISTOR	2.2kW 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kW 1/16W J	
R009	NRSA63J-102X	MG RESISTOR	1kW 1/16W J	
R012	NRSA63J-473X	MG RESISTOR	47kW 1/16W J	
R013	NRSA63J-473X	MG RESISTOR	47kW 1/16W J	
R101	NRSA63J-222X	MG RESISTOR	2.2kW 1/16W J	
R102	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R107	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R117	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R118	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R119	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R123	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R205	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R206	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R207	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R209	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R215	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R301	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R302	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R304	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R306	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R308	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R309	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R311	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R312	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R314	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R315	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R316	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R321	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R322	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R324	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R325	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R326	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R327	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R328	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R336	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R337	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R338	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R339	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R342	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R343	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R344	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R345	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R347	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R348	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R349	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R350	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R351	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R352	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R353	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R354	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R355	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R356	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R357	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R361	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R362	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R363	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R364	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	
R365	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R366	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R367	NRVA63D-472X	CMF RESISTOR	4.7kΩ 1/16W D	
R368	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R369	NRVA63D-272X	CMF RESISTOR	2.7kΩ 1/16W D	
R370	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R371	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R372	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R373	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R374	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R375	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R376	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R381	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R382	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R383	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R384	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R385	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R386	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R391	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R392	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R393	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R394	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R395	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R396	NRVA63D-332X	CMF RESISTOR	3.3kΩ 1/16W D	
R401	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R402	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R404	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R408	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R409	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R410	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R411	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R412	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R413	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R414	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R415	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R416	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R417	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R418	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R421	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R551	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R552	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R553	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R554	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R555	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R556	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R557	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R558	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R559	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R560	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R561	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
R562	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R563	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R564	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R565	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R566	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R567	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R568	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R571	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R572	NRSA63J-184X	MG RESISTOR	180kΩ 1/16W J	
R573	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J	
R574	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R575	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R576	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R577	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R578	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R579	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R580	QRK126J-100X	UNF C RESISTOR	10Ω 1/2W J	
R581	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
R582	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R583	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R584	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R585	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R601	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R602	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R603	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R604	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R605	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R606	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R607	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R608	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R613	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R614	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R616	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R617	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R618	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R619	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R622	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R623	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R624	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R625	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R626	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R627	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R628	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R629	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R630	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R631	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R632	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R633	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R637	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R638	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R639	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R640	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R641	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R642	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R643	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R646	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R649	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R650	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R651	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R652	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R653	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R654	QRL039J-101	OMF RESISTOR	100Ω 3W J	
R655	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R656	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R657	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R660	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R661	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R662	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R663	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R664	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R665	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R667	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R668	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R669	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R701	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R702	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R703	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R704	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R711	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R716	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R720	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R722	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R723	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R726	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R727	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R729	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R730	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R737	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R738	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R739	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R740	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R741	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R742	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R743	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R744	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R745	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R746	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R747	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R748	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R749	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R752	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R753	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R772	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R773	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R774	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R775	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R776	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R901	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R902	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R903	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R904	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R906	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R907	QRK126J-220X	UNF C RESISTOR	22Ω 1/2W J	
R908	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R910	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R911	QRK126J-5R6X	UNF C RESISTOR	5.6Ω 1/2W J	
R912	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R914	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R915	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R916	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R917	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R918	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R920	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R921	NRSA63D-471X	MG RESISTOR	470Ω 1/16W D	
R922	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L003	QQL244K-100Z	COIL	10uH K	
L201	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L431	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L432	QQL26AK-100Z	COIL	10uH K	
L433	QQL26AK-100Z	COIL	10uH K	
L902	QQR1129-003	CHOKE COIL		
L903	QQL50AK-330Z	COIL	33uH K	
L905	QQR1127-003	CHOKE COIL		
L906	QQL26AK-220Z	COIL	22uH K	
L907	QQL26AK-820Z	COIL	82uH K	
L908	QQR1127-003	CHOKE COIL		
L909	QQL50AK-100Z	COIL	10uH K	
CN001	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN002	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN003	QGB1506L1-16	CONNECTOR	B-B (1-16)	
CN004	QGB1232J1-50	CONNECTOR	B-B (1-50)	
CN005	QGC2507C1-96	CONNECTOR	(1-96)	
CN006	QGB1505J1-25	CONNECTOR	B-B (1-25)	
CN007	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN008	QGB1505J1-25	CONNECTOR	B-B (1-25)	
CN018	QGB1505J1-25	CONNECTOR	B-B (1-25)	
K901	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K902	CE42050-001Z	BEADS CORE		
K903	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
K904	CE42050-001Z	BEADS CORE		
TU001	QAU0270-001	TUNER		
X201	CSB503F30	C RESONATOR		

POWER & DEF P.W. BOARD ASS'Y (SMK-2001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC401	LA7876NZ	IC		
IC901	STR-F6668B-F7	IC		
IC951	SE-B3-LF12	IC		
Q401	2SC1740S/QR/-T	TRANSISTOR		
Q402	2SC1740S/QR/-T	TRANSISTOR		
Q461	2SC1959/Y/-T	TRANSISTOR		
Q462	2SA562TM/Y/-T	TRANSISTOR		
Q463	2SK2417	POWER MOS FET		
Q464	2SC1740S/QR/-T	TRANSISTOR		
Q501	2SC1740S/QR/-T	TRANSISTOR		
Q502	2SC1627A/Y/-T	TRANSISTOR		
Q521	2SB953/QP/-LB	POW TRANSISTOR		
⚠ Q522	2SC5904-RL	POW TRANSISTOR		
Q523	2SC1740S/QR/-T	TRANSISTOR		
Q551	2SK2771-01R-F1	POWER MOS FET		
Q553	2SC1959/Y/-T	TRANSISTOR		
Q554	2SA562TM/Y/-T	TRANSISTOR		
Q941	2SC1740S/QR/-T	TRANSISTOR		
Q942	2SA933AS/QR/-T	TRANSISTOR		
Q943	2SC1740S/QR/-T	TRANSISTOR		
Q951	2SA1371/EF/Z1-T	SI TRANSISTOR		
Q952	2SC1740S/QR/-T	TRANSISTOR		
Q953	2SC1627A/Y/-T	TRANSISTOR		
Q954	DTC124ESA-T	DIGI TRANSISTOR		
D401	RD100E/B/-T2	Z DIODE		
D402	1SR35-400A-T2	SI DIODE		
D403	1SR35-400A-T2	SI DIODE		
D404	1SS133-T2	SI DIODE		
D405	1SS133-T2	SI DIODE		
D406	MTZJ9.1B-T2	Z DIODE		
D407	MTZJ6.8C-T2	Z DIODE		
D461	EU2A-T3	SI DIODE		
D501	1SS133-T2	SI DIODE		
D521	RK14-T3	SB DIODE		
D522	V11CA-C1	SI DIODE		
D523	FMV-3FU-F1	SI DIODE		
D524	RG2A-LFC4	SI DIODE		
D525	1SS81-T5	SI DIODE		
D526	MTZJ12C-T2	Z DIODE		
D527	MTZJ15B-T2	Z DIODE		
D528	MTZJ15B-T2	Z DIODE		
D550	RU4DS-F1	SI DIODE		
D551	1SR124-400A-T2	SI DIODE		
D555	RU1P-T3	SI DIODE		
D556	1SR35-400A-T2	SI DIODE		
D557	MTZJ9.1B-T2	Z DIODE		
D701	RH1S-T3	SI DIODE		
D702	RGP10J-5025-T3	SI DIODE		
D703	RGP10J-5025-T3	SI DIODE		
D901	D3SB60	BRIDGE DIODE		
D902	RG1C-LFA1	SI DIODE		
D904	EU2A-T2	SI DIODE		
D905	EU2A-T2	SI DIODE		
D906	MTZJ27B-T2	Z DIODE		
D907	1SS133-T2	SI DIODE		
D908	MTZJ15B-T2	Z DIODE		
D911	1SS133-T2	SI DIODE		
D942	1SS133-T2	SI DIODE		
D944	1SS133-T2	SI DIODE		
D951	RU4B-F1	SI DIODE		
D952	RU4B-F1	SI DIODE		
D953	EU2-T3	SI DIODE		
D954	FMX-G12S	SI DIODE		
D955	RU3YX-LFC4	SI DIODE		
D956	FMX-G12S	SI DIODE		
D957	RU3YX-LFC4	SI DIODE		
D958	1SS133-T2	SI DIODE		
D959	MTZJ33B-T2	Z DIODE		
D960	MTZJ15B-T2	Z DIODE		
D961	1SS133-T2	SI DIODE		
D962	1SS133-T2	SI DIODE		
D963	1SS133-T2	SI DIODE		
D964	MTZJ5.1B-T2	Z DIODE		
D965	1SS133-T2	SI DIODE		
D966	1SS133-T2	SI DIODE		
D968	1SS133-T2	SI DIODE		
D969	1SS133-T2	SI DIODE		
C401	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C402	QFLC1HJ-392Z	M CAPACITOR	3900pF 50V J	
C403	QCS32HJ-180Z	C CAPACITOR	18pF 500V J	
C404	QFVF1HJ-104Z	MF CAPACITOR	0.1uF 50V J	
C406	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
C407	QEHC1VM-107Z	E CAPACITOR	100uF 35V M	
C408	QEHC1VM-107Z	E CAPACITOR	100uF 35V M	
C409	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C412	QCB31HK-222Z	C CAPACITOR	2200pF 50V K	
C413	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C464	QFLC2AJ-472Z	M CAPACITOR	4700pF 100V J	
C501	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C502	QFVF1HJ-224Z	MF CAPACITOR	0.22uF 50V J	
C503	QEM61HK-225Z	E CAPACITOR	2.2uF 50V K	
C504	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C505	QCB32HK-391Z	C CAPACITOR	390pF 500V K	
C521	QEHR1EM-108Z	E CAPACITOR	1000uF 25V M	
⚠ C522	QFZ0122-512	MPP CAPACITOR	5100pF 1.8kV H	
⚠ C523	QFZ0122-622	MPP CAPACITOR	6200pF 1.8kV H	
⚠ C524	QFP32JJ-153	PP CAPACITOR	0.015uF 630V J	
C525	QFZ0197-335	MPP CAPACITOR	3.3uF 250V J	
C526	QFZ0128-823	MPP CAPACITOR	0.082uF DC400V H	
C527	QFZ0128-823	MPP CAPACITOR	0.082uF DC400V H	
C528	QFZ0197-104	MPP CAPACITOR	0.1uF 250V J	
C529	QCS32HJ-561	C CAPACITOR	560pF 500V J	
C530	QCZ0122-681	C CAPACITOR	680pF 2kV K	
C531	QCZ0122-681	C CAPACITOR	680pF 2kV K	
C532	QFLC2AJ-682Z	M CAPACITOR	6800pF 100V J	
C533	QCB31HK-682Z	C CAPACITOR	6800pF 50V K	
C534	QCS31HJ-470Z	C CAPACITOR	47pF 50V J	
C535	QFP42JJ-682	PP CAPACITOR	6800pF 630V J	
C536	QFLC2AJ-104Z	M CAPACITOR	0.1uF 100V J	
C551	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C552	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C554	QFZ0122-242	MPP CAPACITOR	2400pF 1.8kV H	
C556	QEZ0568-107	E CAPACITOR	100uF	
C557	QTMN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C558	QFVF1HJ-824Z	MF CAPACITOR	0.82uF 50V J	
C559	QTMN1HM-105Z	E CAPACITOR	1uF 50V M	
C560	QFVF1HJ-334Z	MF CAPACITOR	0.33uF 50V J	
C561	QTMN1HM-105Z	E CAPACITOR	1uF 50V M	
C701	QEZ0568-107	E CAPACITOR	100uF	
C702	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C703	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C704	QETN1EM-108Z	E CAPACITOR	1000uF 25V M	
C705	QCB32HK-471Z	C CAPACITOR	470pF 500V K	
⚠ C903	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C904	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C905	QCZ9054-472	C CAPACITOR	4700pF	
C906	QEZ0371-337	E CAPACITOR	330uF	
C907	QCB32HK-103	C CAPACITOR	0.01uF 500V K	
C908	QCZ0122-391	C CAPACITOR	390pF 2kV K	
C909	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C910	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C911	QCZ0122-561	C CAPACITOR	560pF 2kV K	
C912	QCB31HK-152Z	C CAPACITOR	1500pF 50V K	
C914	QCB31HK-471Z	C CAPACITOR	470pF 50V K	
⚠ C916	QFZ9075-473	MPP CAPACITOR	0.047uF	
C943	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C951	QCZ0325-821	C CAPACITOR	820pF	
C952	QEZ0568-107	E CAPACITOR	100uF	
C953	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C954	QETN1HM-227Z	E CAPACITOR	220uF 50V M	
C956	QEZ0257-228	E CAPACITOR	2200uF 25V M	
C957	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C958	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C959	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C960	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C961	QCB32HK-152Z	C CAPACITOR	1500pF 500V K	
C962	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C963	QFVF1HJ-684Z	MF CAPACITOR	0.68uF 50V J	
C964	QCB31HK-271Z	C CAPACITOR	270pF 50V K	
C966	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C967	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C968	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C969	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C970	QETN1AM-107Z	E CAPACITOR	100uF 10V M	
⚠ C999	QCZ9079-222	C CAPACITOR	2200pF AC250V M	
R401	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R402	QRE141J-562Y	C RESISTOR	5.6kΩ 1/4W J	
R403	QRA14CF-1002Y	CMF RESISTOR	10kΩ 1/4W F	
R404	QRE121J-180Y	C RESISTOR	18Ω 1/2W J	
R405	QRA14CF-6801Y	CMF RESISTOR	6.8kΩ 1/4W F	
R406	QRA14CF-6801Y	CMF RESISTOR	6.8kΩ 1/4W F	
R407	QRA14CF-3301Y	CMF RESISTOR	3.3kΩ 1/4W F	
R408	QRA14CF-8200Y	CMF RESISTOR	820Ω 1/4W F	
R409	QRA14CF-8200Y	CMF RESISTOR	820Ω 1/4W F	
R410	QRL029J-151	OMF RESISTOR	150Ω 2W J	
R411	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	
R412	QRE121J-8R2Y	C RESISTOR	8.2Ω 1/2W J	
R414	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R415	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R416	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R417	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R418	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R419	QRE141J-154Y	C RESISTOR	150kΩ 1/4W J	
R461	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R462	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	
R463	QRL029J-333	OMF RESISTOR	33kΩ 2W J	
R464	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R465	QRL029J-102	OMF RESISTOR	1kΩ 2W J	
R466	QRL029J-820	OMF RESISTOR	82Ω 2W J	
R467	QRL029J-820	OMF RESISTOR	82Ω 2W J	
R468	QRE141J-332Y	C RESISTOR	3.3kΩ 1/4W J	
R469	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R470	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R501	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R502	QRE121J-271Y	C RESISTOR	270Ω 1/2W J	
R503	QRE141J-820Y	C RESISTOR	82Ω 1/4W J	
R504	QRL039J-820	OMF RESISTOR	82Ω 3W J	
R505	QRL039J-101	OMF RESISTOR	100Ω 3W J	
R506	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R521	QRX029J-1R0	MF RESISTOR	1Ω 2W J	
R522	QRE121J-470Y	C RESISTOR	47Ω 1/2W J	
R523	QRL029J-100	OMF RESISTOR	10Ω 2W J	
R524	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R525	QRL029J-821	OMF RESISTOR	820Ω 2W J	
R526	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R527	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R528	QRE141J-470Y	C RESISTOR	47Ω 1/4W J	
R529	QRE141J-822Y	C RESISTOR	8.2kΩ 1/4W J	
R530	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R531	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
R532	QRE141J-101Y	C RESISTOR	100Ω 1/4W J	
R533	QRF054J-470	UNF WW RESISTOR	47Ω 5W J	
R535	QRE141J-330Y	C RESISTOR	33Ω 1/4W J	
R537	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
⚠ R551	QRZ9017-4R7	FUSI RESISTOR	4.7Ω	
⚠ R552	QRA14CF-1502Y	CMF RESISTOR	15kΩ 1/4W F	
R555	QRE121J-471Y	C RESISTOR	470Ω 1/2W J	
R557	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R558	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R564	QRE141J-474Y	C RESISTOR	470kΩ 1/4W J	
R565	QRA14CF-1803Y	CMF RESISTOR	180kΩ 1/4W F	
R566	QRA14CF-2703Y	CMF RESISTOR	270kΩ 1/4W F	
R567	QRA14CF-2203Y	CMF RESISTOR	220kΩ 1/4W F	
R568	QRA14CF-5601Y	CMF RESISTOR	5.6kΩ 1/4W F	
⚠ R701	QRZ9009-1R5	FUSI RESISTOR	1.5Ω 1/2W J	
⚠ R702	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
⚠ R703	QRZ9011-1R0	FUSI RESISTOR	1Ω 1/2W J	
R704	QRG01GJ-220	OMF RESISTOR	22Ω 1W J	
R705	QRE121J-123Y	C RESISTOR	12kΩ 1/2W J	
R706	QRX01GJ-2R2	MF RESISTOR	2.2Ω 1W J	
R901	QRF154K-4R7	UNF WW RESISTOR	4.7Ω 15W K	
R902	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R903	QRE121J-474Y	C RESISTOR	470kΩ 1/2W J	
R905	QRL039J-823	OMF RESISTOR	82kΩ 3W J	
R906	QRL039J-823	OMF RESISTOR	82kΩ 3W J	
R907	QRL039J-683	OMF RESISTOR	68kΩ 3W J	
⚠ R908	QRZ9017-2R2	FUSI RESISTOR	2.2Ω	
R909	QRE121J-152Y	C RESISTOR	1.5kΩ 1/2W J	
R911	QRE121J-332Y	C RESISTOR	3.3kΩ 1/2W J	
R912	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R913	QRM059J-R15	MP RESISTOR	0.15Ω 5W J	
R914	QRT029J-R39	MF RESISTOR	0.39Ω 2W J	
R915	QRE121J-331Y	C RESISTOR	330Ω 1/2W J	
R944	QRE141J-273Y	C RESISTOR	27kΩ 1/4W J	
R945	QRE141J-123Y	C RESISTOR	12kΩ 1/4W J	
R946	QRE141J-682Y	C RESISTOR	6.8kΩ 1/4W J	
R947	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R951	QRL039J-681	OMF RESISTOR	680Ω 3W J	
R952	QRE121J-182Y	C RESISTOR	1.8kΩ 1/2W J	
R953	QRA14CD-5602Y	CMF RESISTOR	56kΩ 1/4W D	
R954	QRA14CD-5602Y	CMF RESISTOR	56kΩ 1/4W D	
R955	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	
R956	QRA14CF-1202Y	CMF RESISTOR	12kΩ 1/4W F	
R958	QRL029J-561	OMF RESISTOR	560Ω 2W J	
R959	QRX029J-1R2	MF RESISTOR	1.2Ω 2W J	
R960	QRX029J-1R0	MF RESISTOR	1Ω 2W J	
R962	QRE121J-392Y	C RESISTOR	3.9kΩ 1/2W J	
R963	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R964	QRE141J-473Y	C RESISTOR	47kΩ 1/4W J	
R965	QRE141J-333Y	C RESISTOR	33kΩ 1/4W J	
R966	QRE141J-222Y	C RESISTOR	2.2kΩ 1/4W J	
R967	QRE141J-272Y	C RESISTOR	2.7kΩ 1/4W J	
R968	QRE141J-153Y	C RESISTOR	15kΩ 1/4W J	
R969	QRE141J-104Y	C RESISTOR	100kΩ 1/4W J	
R971	QRG01GJ-181	OMF RESISTOR	180Ω 1W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R972	QRE141J-0R0Y	C RESISTOR	0Ω 1/4W J	
R974	QRE141J-103Y	C RESISTOR	10kΩ 1/4W J	
R975	QRE141J-683Y	C RESISTOR	68kΩ 1/4W J	
R976	QRE141J-472Y	C RESISTOR	4.7kΩ 1/4W J	
R977	QRE141J-102Y	C RESISTOR	1kΩ 1/4W J	
⚠ R999	QRZ9046-825Z	C RESISTOR	8.2MΩ	
L461	QQLZ030-801	COIL	800uH 2A K	
L521	QQL26AM-2R7Z	COIL	2.7uH M	
L522	QQL26AM-3R3Z	COIL	3.3uH M	
L523	QQR1230-001	CHOKE COIL		
L524	QQR1285-001	CHOKE COIL		
L525	QQR0915-002	LINEARITY COIL		
L553	QQLZ026-240	COIL	24uH ±7%	
L701	QQLZ028-272	COIL	2.7mH	
L903	QQR1200-003	CHOKE COIL		
L942	QQL26AK-220Z	COIL	22uH K	
L951	QQLZ026-460	COIL	46uH ±7%	
L952	QQL26AK-220Z	COIL	22uH K	
L953	QQLZ026-240	COIL	24uH ±7%	
T501	QQR1269-001	DRIVE TRANSF		
⚠ T551	QQH0149-001	FB TRANSF		
⚠ T701	QQR1365-001	DAF TRANSF		
⚠ T901	QQS0183-001	SW TRANSF		
⚠ PC901	PC123FY2	IC(PHOTO COUPLER)		
CN001	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN002	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN003	QGB1506M1-16	CONNECTOR	B-B (1-16)	
CN009	QGB1505J1-35	CONNECTOR	B-B (1-35)	
CN010	QGB1505J1-15	CONNECTOR	B-B (1-15)	
⚠ CP951	QMFZ034-4R0Z-J1	FUSE	4A 125V	
⚠ CP952	ICP-N75-Y	IC PROTECTOR	2.7A	
⚠ CP953	ICP-N38-Y	IC PROTECTOR	1.5A	
K401	QQR0621-002Z	FERRITE BEADS		
K521	QQR0679-001	FERRITE BEADS		
K522	QQR0679-001	FERRITE BEADS		
K551	QQR0679-001	FERRITE BEADS		
K901	QQR0679-001	FERRITE BEADS		
K955	QQR0621-002Z	FERRITE BEADS		
⚠ RY951	QSK0099-001	RELAY		
⚠ RY952	QSK0099-001	RELAY		
⚠ SG551	QAF0046-242Z	SURGE ABSORBER	2400V	
TH901	QAD0133-9R0	P THERMISTOR	9Ω	

CRT SOCKET P.W. BOARD ASS’Y (SMK-3001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC3101	TDA6120Q/N2	IC	Video Out Amp	
IC3201	TDA6120Q/N2	IC	Video Out Amp	
IC3301	TDA6120Q/N2	IC	Video Out Amp	
Q3701	2SC1906-T	TRANSISTOR		
Q3702	2SA1005/MLK/-T	TRANSISTOR		
Q3703	2SC1959/Y/-T	TRANSISTOR		
Q3704	2SA562TM/Y/-T	TRANSISTOR		
Q3705	2SJ584LS-CB11	POWER MOS FET		
Q3706	2SK2417	POWER MOS FET		
D3009	RM2C-LFA1	SI DIODE		
D3101	1SS244-T2	SI DIODE		
D3102	1SR124-400A-T2	SI DIODE		
D3103	MA8100/M/-X	Z DIODE		
D3105	1SS244-T2	SI DIODE		
D3106	1SS244-T2	SI DIODE		
D3201	1SS244-T2	SI DIODE		
D3202	1SR124-400A-T2	SI DIODE		
D3203	MA8100/M/-X	Z DIODE		
D3205	1SS244-T2	SI DIODE		
D3206	1SS244-T2	SI DIODE		
D3207	MA8100/M/-X	Z DIODE		
D3301	1SS244-T2	SI DIODE		
D3302	1SR124-400A-T2	SI DIODE		
D3303	MA8100/M/-X	Z DIODE		
D3305	1SS244-T2	SI DIODE		
D3306	1SS244-T2	SI DIODE		
D3701	1SS355-X	SI DIODE		
D3702	RH1S-T3	SI DIODE		
D3703	RH1S-T3	SI DIODE		
C3001	QETM2EM-476	E CAPACITOR	47uF 250V M	
C3002	QETM2EM-476	E CAPACITOR	47uF 250V M	
C3004	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
⚠ C3009	QFZ9027-103	MM CAPACITOR	0.01uF 1000V K	
C3011	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3101	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3103	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3105	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3106	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3110	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3112	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3113	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3114	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3115	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3201	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3202	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3203	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3204	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3205	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3206	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3210	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3212	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3213	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3214	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3215	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3302	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3303	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C3304	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C3305	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C3306	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3310	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3312	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3313	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3314	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3315	NCZ1008-473X	C CAPACITOR	0.047uF 250V K	
C3701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C3702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C3703	NCF21HZ-104X	C CAPACITOR	0.1uF 50V Z	
C3704	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C3707	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3708	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3709	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C3710	QETN2CM-226Z	E CAPACITOR	22uF 160V M	
C3711	QETN2CM-226Z	E CAPACITOR	22uF 160V M	
C3712	QFLC1HJ-222Z	M CAPACITOR	2200pF 50V J	
C3713	QFLC1HJ-222Z	M CAPACITOR	2200pF 50V J	
C3716	QCS32HJ-330Z	C CAPACITOR	33pF 500V J	
C3717	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3718	QFM72DK-103	M CAPACITOR	0.01uF 200V K	
C3719	QFZ0197-334	MPP CAPACITOR	0.33uF 250V J	
C3720	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
R3009	QRZ0107-152Z	C RESISTOR	1.5kΩ 1/2W K	
R3010	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	
R3011	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R3012	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R3028	QRC121K-102Z	COMP RESISTOR	1kΩ 1/2W K	
R3029	QRE121J-105Y	C RESISTOR	1MΩ 1/2W J	
R3040	QVP0038-206	TRIM RESISTOR	20MΩ	
R3101	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3102	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3103	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3104	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R3105	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3107	QRC121K-271Z	COMP RESISTOR	270Ω 1/2W K	
R3110	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3112	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3113	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3201	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3202	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3203	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3204	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R3205	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3206	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3207	QRC121K-271Z	COMP RESISTOR	270Ω 1/2W K	
R3210	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R3212	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3301	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3302	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3303	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R3304	QRL039J-223	OMF RESISTOR	22kΩ 3W J	
R3305	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R3306	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3307	QRC121K-271Z	COMP RESISTOR	270Ω 1/2W K	
R3310	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R3312	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R3313	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R3701	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3702	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R3703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3704	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R3705	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R3706	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R3707	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R3710	QRJ146J-182X	UNF C RESISTOR	1.8kΩ 1/4W J	
R3711	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R3712	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
⚠ R3713	QRJ146J-681X	UNF C RESISTOR	680Ω 1/4W J	
R3714	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R3715	QRJ146J-470X	UNF C RESISTOR	47Ω 1/4W J	
R3716	QRT029J-8R2	MF RESISTOR	8.2Ω 2W J	
R3719	QRG01GJ-180	OMF RESISTOR	18Ω 1W J	
R3720	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R3721	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R3722	QRL039J-100	OMF RESISTOR	10Ω 3W J	
R3723	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R3724	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R3725	QRL039J-220	OMF RESISTOR	22Ω 3W J	
L3001	QQL26AJ-102Z	COIL	1mH J	
L3002	QQL26AJ-102Z	COIL	1mH J	
L3003	QQL26AJ-102Z	COIL	1mH J	
L3004	QQL26AJ-102Z	COIL	1mH J	
L3011	QQR0621-002Z	FERRITE BEADS		
L3012	QQR0621-002Z	FERRITE BEADS		
L3101	QQL244K-3R3Z	COIL	3.3uH K	
L3201	QQL244K-3R3Z	COIL	3.3uH K	
L3301	QQL244K-3R3Z	COIL	3.3uH K	
⚠ FR3101	QRZ9009-101	FUSI RESISTOR	100Ω 1/2W J	
⚠ FR3201	QRZ9009-101	FUSI RESISTOR	100Ω 1/2W J	
⚠ FR3301	QRZ9009-101	FUSI RESISTOR	100Ω 1/2W J	
K3701	CE41492-001Z	CHOKE COIL		
K3702	CE42050-001Z	BEADS CORE		
SG3101	QAF0056-501Z	SURGE ABSORBER	500V M	
SG3201	QAF0056-501Z	SURGE ABSORBER	500V M	
SG3301	QAF0056-501Z	SURGE ABSORBER	500V M	
⚠ SK3001	QNZ0464-001	CRT SOCKET		

FRONT CONTROL P.W. BOARD ASS'Y(SMK-8001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC8851	GP1U281Q	IR DETECT UNIT	38kHz	
Q8801	DTA124EKA-X	DIGI TRANSISTOR		
Q8802	DTA124EKA-X	DIGI TRANSISTOR		
Q8803	DTC124EKA-X	DIGI TRANSISTOR		
D8801	SPR-39MVWF	LED	POWER(RED-GREEN)	
D8811	MA111-X	SI DIODE		
D8851	MA3068/M/-X	Z DIODE		
C8851	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C8852	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠ C8901	QFZ9075-474	MPP CAPACITOR	0.47uF	
R8801	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R8802	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R8851	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
⚠ F8901	QMF51D2-3R15J1	FUSE	3.15A AC250V	
⚠ LF8901	QQR1095-001	LINE FILTER		
⚠ S8901	QSW0824-001	PUSH SWITCH	MAIN POWER	
FC8901	CEMG002-001Z	FUSE CLIP		
FC8902	CEMG002-001Z	FUSE CLIP		
OT0001	LC30349-001A-H	LED HOLDER		

SIDE CONTROL P.W. BOARD ASS'Y (SMK-8101A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
D8001	MA3039/H/-X	Z DIODE		
C8001	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C8003	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C8310	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8311	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C8321	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R8001	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R8002	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R8010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8012	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8021	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8022	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
L8001	QQR0716-001Z	FERRITE BEADS		
L8002	QQL244K-5R6Z	COIL	5.6uH K	
L8003	QQL244K-5R6Z	COIL	5.6uH K	
L8310	QQL244K-270Z	COIL	27uH K	
L8311	QQL244K-270Z	COIL	27uH K	
L8312	QQR0716-001Z	FERRITE BEADS		
J8001	QMS3001-C01	3.5 JACK	HEADPHONE	
J8303	QNZ0438-001	AV JACK	EXT-4	
S8001	QSW0619-003Z	TACT SWITCH	CH UP	
S8002	QSW0619-003Z	TACT SWITCH	MENU	
S8003	QSW0619-003Z	TACT SWITCH	CH DOWN	

LINE FILTER P.W. BOARD ASS'Y (SMK-9001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
⚠ IC9931	QAL0425-001	POWER MODULE		
IC9932	MM1565AF-X	IC	5.0V Regulator	
D9931	S1WB/A/60-4101	BRIDGE DIODE		
D9941	MA111-X	SI DIODE		
⚠ C9901	QFZ9075-104	MPP CAPACITOR	0.1uF	
⚠ C9902	QFZ9075-473	MPP CAPACITOR	0.047uF	
⚠ C9931	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C9932	QCZ9054-472	C CAPACITOR	4700pF	
⚠ C9933	QCZ9054-472	C CAPACITOR	4700pF	
C9934	QETM2GM-226	E CAPACITOR	22uF 400V M	
C9941	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C9942	QETN1AM-337Z	E CAPACITOR	330uF 10V M	
C9943	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9944	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C9945	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
⚠ C9991	QCZ9079-471	C CAPACITOR	470pF AC250V K	
R9931	QRZ0216-4R7	UNF WW RESISTOR	4.7Ω	
R9941	QRE121J-1R0Y	C RESISTOR	1Ω 1/2W J	
R9942	QRE121J-1R5Y	C RESISTOR	1.5Ω 1/2W J	
R9943	QRE121J-1R8Y	C RESISTOR	1.8Ω 1/2W J	
L9941	QQL26AM-4R7Z	COIL	4.7uH M	
⚠ LF9901	QQR1095-003	LINE FILTER		

DOLBY P.W. BOARD ASS'Y (SMK-0D001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC101	TC9446F-014	IC		
IC102	TC4066BF/N/-XE	IC		
IC105	AK4527BVQP	IC		
IC107	TA48M033F-X	IC	3.3V Regulator	
IC108	TC7SET32F-X	IC(DIGITAL)		
IC109	UPD784216AGC180	IC(MCU)		
IC110	S-80828CNNB-W	IC		
IC111	TA48M033F-X	IC	3.3V Regulator	
IC112	IS63LV1024-15T	IC		
IC113	TC7WHU04FU-X	IC	INVERTER	
IC201	BA4558F-X	IC		
IC202	BA4558F-X	IC		
IC203	BA4558F-X	IC		
IC301	BA4558F-X	IC		
IC302	BA4558F-X	IC		
IC303	BA4558F-X	IC		
IC401	TC4066BF/N/-XE	IC		
IC402	NJM5532M-D-XE	IC		
IC403	NJM5532M-D-XE	IC		
IC404	BA4558F-X	IC		
IC601	BD3869AF-X	IC		
IC631	BD3869AF-X	IC		
IC651	BD3869AF-X	IC		

⚠ Ref No.	Part No.	Part Name	Description	Local
IC701	TC4066BF/N/-XE	IC		
IC702	TC4066BF/N/-XE	IC		
IC703	BA4558F-X	IC		
IC704	BA4558F-X	IC		
Q101	DTA124EKA-X	DIGI TRANSISTOR		
Q102	DTC124EKA-X	DIGI TRANSISTOR		
Q103	DTC124EKA-X	DIGI TRANSISTOR		
Q401	DTC124EKA-X	DIGI TRANSISTOR		
Q402	DTC124EKA-X	DIGI TRANSISTOR		
Q403	DTC144EKA-X	DIGI TRANSISTOR		
Q404	DTC144EKA-X	DIGI TRANSISTOR		
Q405	DTC144EKA-X	DIGI TRANSISTOR		
Q501	DTC124EKA-X	DIGI TRANSISTOR		
Q502	DTC124EKA-X	DIGI TRANSISTOR		
Q701	DTC124EKA-X	DIGI TRANSISTOR		
Q702	DTC323TK-X	DIGI TRANSISTOR		
Q703	DTC323TK-X	DIGI TRANSISTOR		
Q704	DTC323TK-X	DIGI TRANSISTOR		
Q705	2SA1037AK/QR/-X	TRANSISTOR		
Q706	2SA1037AK/QR/-X	TRANSISTOR		
Q707	DTC323TK-X	DIGI TRANSISTOR		
Q708	DTC323TK-X	DIGI TRANSISTOR		
Q709	2SA1037AK/QR/-X	TRANSISTOR		
Q710	DTC323TK-X	DIGI TRANSISTOR		
Q711	DTC144EKA-X	DIGI TRANSISTOR		
Q712	DTC144EKA-X	DIGI TRANSISTOR		
Q713	DTC144EKA-X	DIGI TRANSISTOR		
D101	MA111-X	SI DIODE		
D102	MA111-X	SI DIODE		
D103	MA111-X	SI DIODE		
D104	MA111-X	SI DIODE		
D201	MA3091/M/-X	Z DIODE		
D301	MA3091/M/-X	Z DIODE		
D401	MA3091/M/-X	Z DIODE		
D402	MA111-X	SI DIODE		
D701	MA3150/M/-X	Z DIODE		
D702	MA3150/M/-X	Z DIODE		
D703	MA111-X	SI DIODE		
D704	MA111-X	SI DIODE		
D705	MA111-X	SI DIODE		
D706	MA111-X	SI DIODE		
D707	MA3150/M/-X	Z DIODE		
D708	MA111-X	SI DIODE		
C101	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C102	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C105	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C106	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C107	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C108	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C112	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C113	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C114	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C115	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C116	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C117	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C118	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C119	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C121	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C122	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C123	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C124	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C125	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C129	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C130	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C132	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C133	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C134	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C137	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C139	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C140	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C141	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C142	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C143	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C145	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C146	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	

⚠ Ref No.	Part No.	Part Name	Description	Local
C149	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C150	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C201	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C202	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	
C203	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C204	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C207	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C208	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C209	NCB31HK-183X	C CAPACITOR	0.018uF 50V K	
C210	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C211	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C213	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C214	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C215	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C216	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C218	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C219	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C220	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C221	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
C223	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C224	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C225	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C226	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C227	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C228	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C229	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C230	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C301	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C303	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C304	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C305	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C306	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C307	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C308	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C309	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C310	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C311	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C312	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C313	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C314	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C315	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C316	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C317	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C318	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C319	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C321	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C403	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C405	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C406	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C407	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C408	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C409	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C410	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C412	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C413	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C414	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C415	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C417	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C440	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C441	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C442	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C443	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C444	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C551	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C552	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C553	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C554	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C555	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C556	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C557	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C558	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C559	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C601	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C602	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C603	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C604	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C605	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C606	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C607	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C608	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C612	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C613	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C631	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C632	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C633	NEH71EM-475X	E CAPACITOR	4.7uF 25V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
C634	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C635	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C636	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C637	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C638	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C651	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C652	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C653	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C654	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C655	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C656	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C657	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C658	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C659	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C660	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C701	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C702	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C703	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C704	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C705	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C706	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C707	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C708	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C709	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C710	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C711	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C714	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C715	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C716	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C717	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C719	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C720	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C723	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C724	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C725	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C726	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C727	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C729	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C730	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C731	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C732	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C733	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C734	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C735	NEH71HM-106X	E CAPACITOR	10uF 50V M	
C736	NEH71HM-105X	E CAPACITOR	1uF 50V M	
C737	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
R101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R102	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R105	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R106	NRSA63J-225X	MG RESISTOR	2.2MΩ 1/16W J	
R107	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R108	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R109	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R111	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R112	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R115	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R117	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R118	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R122	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R125	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R126	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R127	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R128	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R129	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R130	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R131	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R133	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R134	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R135	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R136	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R137	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R138	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R139	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R140	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R141	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R144	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R145	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R148	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R149	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R160	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R161	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R162	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R164	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R201	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R202	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R203	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R204	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R205	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R206	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R207	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R208	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R209	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R210	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R211	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R213	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R215	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R216	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R217	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R218	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R219	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R220	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R224	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R301	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R302	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R303	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R304	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R305	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R306	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R307	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R309	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R311	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R312	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R313	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R314	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R315	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R316	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R317	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R318	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R319	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R320	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R321	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R322	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R323	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R324	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R325	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R326	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R327	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R328	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R329	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R330	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R331	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R401	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R402	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R406	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R407	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R409	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R410	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R411	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R412	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R413	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R416	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R417	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R418	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R419	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R420	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R421	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R422	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R423	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R424	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R425	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R426	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R427	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R428	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
R430	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R431	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R432	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R433	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R437	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R438	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R439	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R440	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R441	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R442	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R501	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R502	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R601	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R602	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R603	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R604	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R605	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R606	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R631	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R632	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R633	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R634	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R651	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R652	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R653	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R654	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R655	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R656	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R657	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R658	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R701	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R702	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R704	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R705	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R706	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R707	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R708	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R709	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R710	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R711	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R712	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R713	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R714	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R715	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R716	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R717	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R718	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R719	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R720	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R721	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R722	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R723	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R724	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R726	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R727	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R728	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R729	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R730	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R731	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R732	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R733	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R734	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R735	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R736	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R737	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R739	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R740	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R741	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R743	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R744	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R745	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R746	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R747	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R748	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R749	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R750	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R751	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R752	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R753	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
L101	NQL085J-4R7X	COIL	4.7uH J	
L551	NQL085J-4R7X	COIL	4.7uH J	
L552	NQL034K-4R7X	COIL	4.7uH K	
L701	NQL085J-100X	COIL	10uH J	
L702	NQL085J-100X	COIL	10uH J	
L703	NQL085J-100X	COIL	10uH J	
CN008	QGB1505K1-25	CONNECTOR	B-B (1-25)	
CN018	QGB1505K1-25	CONNECTOR	B-B (1-25)	
J001	QNN0281-004	PIN JACK	DIGITAL AUDIO IN	
J002	QNZ0523-001	OPT CONNECTOR	DIGITAL AUDIO IN	
J003	QNN0427-001	PIN JACK	AUDIO OUT	
J004	QNB0006-002	PUSH TERMINAL	SURROUND REAR	
LC101	NQR0313-009X	EMI FILTER		
LC102	NQR0313-009X	EMI FILTER		
LC103	NQR0313-009X	EMI FILTER		
LC105	NQR0313-009X	EMI FILTER		
LC106	NQR0313-009X	EMI FILTER		
LC107	NQR0313-009X	EMI FILTER		
LC108	NQR0313-009X	EMI FILTER		
LC109	NQR0313-009X	EMI FILTER		
LC111	NQR0313-009X	EMI FILTER		
X101	NAX0385-001X	CRYSTAL	24.576MHz	
X102	NAX0473-001X	C RESONATOR	6.144MHz	

EHT P.W. BOARD ASS’Y (SMK-0E001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC2501	TLC555ID-X	IC		
IC2502	BA15218F-XE	IC		
IC2503	BA10339F-X	IC		
Q2501	2SC2412K/QR/-X	TRANSISTOR		
Q2502	2SA1037AK/QR/-X	TRANSISTOR		
Q2503	2SA1037AK/QR/-X	TRANSISTOR		
Q2504	2SC2412K/QR/-X	TRANSISTOR		
Q2505	2SC2412K/QR/-X	TRANSISTOR		
D2501	MA3120/M/-X	Z DIODE		
D2502	MA3056/M/-X	Z DIODE		
D2503	MA111-X	SI DIODE		
D2504	MA111-X	SI DIODE		
D2505	MA111-X	SI DIODE		
D2506	MA111-X	SI DIODE		
D2507	MA111-X	SI DIODE		
D2508	MA111-X	SI DIODE		
D2509	MA111-X	SI DIODE		
D2510	MA111-X	SI DIODE		
D2511	MA3150/M/-X	Z DIODE		
D2512	MA111-X	SI DIODE		
C2501	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C2502	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C2503	NDC21HJ-681X	C CAPACITOR	680pF 50V J	
C2505	NCB21HK-103X	C CAPACITOR	0.01uF 50V K	
C2506	NCB21HK-272X	C CAPACITOR	2700pF 50V K	
C2507	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
C2508	NDC21HJ-471X	C CAPACITOR	470pF 50V J	
C2509	NCB21HK-104X	C CAPACITOR	0.1uF 50V K	
C2512	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
C2513	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C2514	QENC1CM-476Z	BP E CAPACITOR	47uF 16V M	
C2515	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C2517	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C2518	NDC21HJ-151X	C CAPACITOR	150pF 50V J	
R2501	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2502	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2503	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R2504	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R2505	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2506	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R2507	NRSA63D-222X	MG RESISTOR	2.2kΩ 1/16W D	
R2508	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R2509	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2510	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R2511	NRSA63D-912X	MG RESISTOR	9.1kΩ 1/16W D	
R2512	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2513	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R2514	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R2515	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R2516	NRSA63D-912X	MG RESISTOR	9.1kΩ 1/16W D	
R2517	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2518	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R2519	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R2520	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2521	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2522	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R2523	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2524	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R2525	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R2526	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2527	NRVA63D-224X	CMF RESISTOR	220kΩ 1/16W D	
R2528	QVP0086-204Z	TRIM RESISTOR	200kΩ	

⚠ Ref No.	Part No.	Part Name	Description	Local
R2529	NRVA63D-224X	CMF RESISTOR	220kΩ 1/16W D	
R2530	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R2532	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2533	QVP0086-502Z	TRIM RESISTOR	5kΩ	
R2534	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
R2537	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R2538	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2539	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R2541	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R2542	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
CN2010	QGB1505K1-15	CONNECTOR	B-B (1-15)	

DEF OSC P.W. BOARD ASS'Y (SMK-0H001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC0101	LA7860M-X	IC		
IC0102	BA12FP-X	IC	12V Regulator	
IC0161	AN5441SA-W	IC		
IC0163	TA78L005AP-T	IC		
IC0164	BA9756FS-X	IC		
IC0212	CXA1875AM-X	IC		
Q0101	2SC2412K/QR/-X	TRANSISTOR		
Q0102	2SC2412K/QR/-X	TRANSISTOR		
Q0103	2SC2412K/QR/-X	TRANSISTOR		
Q0131	2SC2412K/QR/-X	TRANSISTOR		
Q0132	2SC2412K/QR/-X	TRANSISTOR		
Q0135	2SC2412K/QR/-X	TRANSISTOR		
Q0751	2SC2412K/QR/-X	TRANSISTOR		
Q0752	2SC2412K/QR/-X	TRANSISTOR		
Q0753	2SC4632	POW TRANSISTOR		
Q0754	2SC2412K/QR/-X	TRANSISTOR		
D0163	MA111-X	SI DIODE		
D0222	UDZS6.2B-X	Z DIODE		
D0223	UDZS6.2B-X	Z DIODE		
D0751	ES1F-LFG2	SI DIODE		
D0752	ES1F-LFG2	SI DIODE		
C0102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0103	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0104	NDC31HJ-561X	C CAPACITOR	560pF 50V J	
C0106	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0107	NDC21HJ-122X	C CAPACITOR	1200pF 50V J	
C0108	QEKC1HM-475Z	E CAPACITOR	4.7uF 50V M	
C0109	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0110	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C0111	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C0112	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C0113	NDC21HJ-122X	C CAPACITOR	1200pF 50V J	
C0114	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0115	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0116	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0117	QTMN1CM-477Z	E CAPACITOR	470uF 16V M	
C0118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0119	QEKC1EM-476Z	E CAPACITOR	47uF 25V M	
C0120	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C0121	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C0122	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0123	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0131	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C0132	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C0133	NCB21EK-104X	C CAPACITOR	0.1uF 25V K	
C0134	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C0135	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0136	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0137	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C0138	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C0161	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C0162	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0163	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C0164	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0168	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0169	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C0170	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C0171	QFVF1HJ-184Z	MF CAPACITOR	0.18uF 50V J	
C0172	QFVF1HJ-824Z	MF CAPACITOR	0.82uF 50V J	
C0173	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C0175	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C0177	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C0178	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0179	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0180	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0181	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0182	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C0186	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C0187	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C0188	NDC21HJ-821X	C CAPACITOR	820pF 50V J	
C0190	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C0212	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C0751	QFLC1HJ-153Z	M CAPACITOR	0.015uF 50V J	
C0752	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C0753	QFZ0122-752	MPP CAPACITOR	7500pF 1.8kV H	
C0754	QFLC1HJ-563Z	M CAPACITOR	0.056uF 50V J	
C0761	QFZ0122-682	MPP CAPACITOR	6800pF 1.8kV H	
R0101	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0103	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R0104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0105	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R0106	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R0107	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0109	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R0110	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R0111	NRSA63D-153X	MG RESISTOR	15kΩ 1/16W D	
R0112	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R0113	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D	
R0114	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R0116	NRSA63D-182X	MG RESISTOR	1.8kΩ 1/16W D	
R0117	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0118	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0119	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0120	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R0121	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0122	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
⚠ R0123	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R0124	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0126	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0129	NRSA63D-183X	MG RESISTOR	18kΩ 1/16W D	
R0131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0133	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R0134	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R0135	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0139	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R0140	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0141	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0143	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R0161	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0162	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0163	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0164	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0172	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0173	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R0174	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	
R0175	NRSA63D-681X	MG RESISTOR	680Ω 1/16W D	
R0177	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R0178	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R0179	NRVA63D-562X	CMF RESISTOR	5.6kΩ 1/16W D	
R0180	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D	
R0183	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0186	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0187	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0188	NRSA63D-101X	MG RESISTOR	100Ω 1/16W D	
R0190	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R0192	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0197	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R0216	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0217	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R0223	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0224	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R0225	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0751	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R0752	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R0753	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R0754	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R0755	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R0756	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R0757	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R0758	QRZ0056-102Z	COMP RESISTOR	1kΩ 1/2W K	
R0759	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R0761	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0762	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0763	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0764	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R0765	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R0769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R0770	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
L0101	QQL01BK-470Z	P COIL	47uH K	
L0103	NQL092K-100X	P COIL	10uH K	
L0104	NQL092K-100X	P COIL	10uH K	
L0105	QQL01BK-101Z	P COIL	100uH K	
T0751	QQR1096-001	DEF TRANSF		
CN0009	QGB1505K1-35	CONNECTOR	B-B (1-35)	

MICOM P.W. BOARD ASS'Y (SMK-0M001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC001	SDA6000-B12	IC		
IC002	S-80828CNNB-W	IC		
IC003	K4S641632F-TC75	IC(DIGITAL)		
IC004	MBV160-32D25EUW	IC(MICRO C ROM)	(SERVICE)	
IC901	TA48M025F-X	IC	2.5V Regulator	
IC902	TA48M033F-X	IC	3.3V Regulator	
Q001	2SC2712/YG/-X	TRANSISTOR		
Q002	2SC2712/YG/-X	TRANSISTOR		
Q003	2SC2712/YG/-X	TRANSISTOR		
Q007	2SA1162/YG/-X	TRANSISTOR		
Q008	2SA1162/YG/-X	TRANSISTOR		
Q009	2SC2712/YG/-X	TRANSISTOR		
Q010	2SC2712/YG/-X	TRANSISTOR		
Q011	2SC2712/YG/-X	TRANSISTOR		
Q012	2SC2712/YG/-X	TRANSISTOR		
Q013	2SK1374-X	MOS FET		
Q014	2SK1374-X	MOS FET		
Q015	2SK1374-X	MOS FET		
Q016	2SK1374-X	MOS FET		
Q021	2SC2712/YG/-X	TRANSISTOR		
Q022	2SC2712/YG/-X	TRANSISTOR		
D001	MA111-X	SI DIODE		
D002	MA111-X	SI DIODE		
D003	MA3068/M/-X	Z DIODE		
D005	MA3056/M/-X	Z DIODE		
D006	MA3056/M/-X	Z DIODE		
D007	MA3056/M/-X	Z DIODE		
D008	MA3056/M/-X	Z DIODE		
C001	QETN0JM-477Z	E CAPACITOR	470uF 6.3V M	
C002	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C003	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C004	QETN0JM-108Z	E CAPACITOR	1000uF 6.3V M	
C005	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C006	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C007	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C008	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C012	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C014	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
C019	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C020	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C021	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C022	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C023	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C025	NCB31EK-333X	C CAPACITOR	0.033uF 25V K	
C026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C027	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C028	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C029	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C034	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C039	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C040	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C041	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
C042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C048	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C050	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C051	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C054	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C055	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C056	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C057	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C059	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C060	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C061	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C067	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
R001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R002	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R003	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R004	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R006	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R009	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R010	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R011	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R012	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R013	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R014	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R015	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R016	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R017	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R019	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R020	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R022	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R024	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R027	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R030	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R032	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R034	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R035	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R036	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R041	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R042	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R046	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R047	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R048	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R049	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R050	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R057	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R058	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R060	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R061	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R062	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R064	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R065	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R070	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R071	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R072	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R073	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R075	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R076	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R077	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R087	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R089	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R090	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R095	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R096	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R097	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R098	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R099	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R100	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R101	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R102	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R103	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R104	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R105	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R106	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R107	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R109	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R110	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R111	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R112	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R113	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R114	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R117	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R119	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R120	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R121	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R122	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R123	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R124	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R125	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R127	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R128	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R129	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R130	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R131	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R132	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R133	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R136	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R137	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R139	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R144	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R147	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R148	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R149	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R151	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	
R152	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R153	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R154	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R156	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R158	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R160	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R161	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R166	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R167	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R180	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R181	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R182	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
L001	NQL092K-4R7X	P COIL	4.7uH K	
L003	NQL092K-4R7X	P COIL	4.7uH K	
L005	NQL092K-4R7X	P COIL	4.7uH K	
L006	NQL092K-4R7X	P COIL	4.7uH K	
L007	NQL092K-4R7X	P COIL	4.7uH K	
L008	NQL092K-4R7X	P COIL	4.7uH K	
L009	NQL034K-4R7X	COIL	4.7uH K	
L010	NQL092K-4R7X	P COIL	4.7uH K	
L011	NQL092K-4R7X	P COIL	4.7uH K	
L012	NQL092K-4R7X	P COIL	4.7uH K	
L013	NQL092K-4R7X	P COIL	4.7uH K	
L014	NQL092K-4R7X	P COIL	4.7uH K	
L015	NQL034K-4R7X	COIL	4.7uH K	
L016	NQL034K-4R7X	COIL	4.7uH K	
L017	NQL092K-1R5X	P COIL	1.5uH K	
L018	NQL092K-1R5X	P COIL	1.5uH K	
L019	NQL092K-1R5X	P COIL	1.5uH K	
L020	NQL092K-1R5X	P COIL	1.5uH K	
L021	NQL092K-1R5X	P COIL	1.5uH K	
L022	NQL092K-1R5X	P COIL	1.5uH K	
CN004	QGB1232K1-50T	CONNECTOR	B-B (1-50)	
K001	NRSA63J-390X	MG RESISTOR	39Ω 1/16W J	
K002	NQR0389-003X	FERRITE BEADS		
K003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K004	NQR0389-003X	FERRITE BEADS		
LC001	NQR0313-007X	EMI FILTER		
LC002	NQR0431-001X	EMI FILTER		
X001	QAX0669-001Z	CRYSTAL	6.000MHz	

AV SW P.W. BOARD ASS'Y (SMK-0S001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC101	CXA2069Q	IC	AV SW (I2C)	
IC501	MSP3415DQGB3GHX	IC		
IC662	BA4558F-X	IC		
IC901	AN77L08-T	IC		
Q101	2SC2412K/QR/-X	TRANSISTOR		
Q102	2SC2412K/QR/-X	TRANSISTOR		
Q103	2SA1037AK/QR/-X	TRANSISTOR		
Q104	DTC323TK-X	DIGI TRANSISTOR		
Q105	DTC323TK-X	DIGI TRANSISTOR		
Q106	2SC1740S/QR/-T	TRANSISTOR		
Q131	2SA933AS/QR/-T	TRANSISTOR		
Q136	DTC323TK-X	DIGI TRANSISTOR		
Q137	DTC323TK-X	DIGI TRANSISTOR		
Q138	2SA1037AK/QR/-X	TRANSISTOR		
Q201	2SC2412K/QR/-X	TRANSISTOR		
Q202	2SC2412K/QR/-X	TRANSISTOR		
Q211	2SC2412K/QR/-X	TRANSISTOR		
Q212	2SC2412K/QR/-X	TRANSISTOR		
Q221	2SC2412K/QR/-X	TRANSISTOR		
Q222	2SC2412K/QR/-X	TRANSISTOR		
Q231	2SC2412K/QR/-X	TRANSISTOR		
Q232	2SC2412K/QR/-X	TRANSISTOR		
Q301	2SC2412K/QR/-X	TRANSISTOR		
Q311	2SC2412K/QR/-X	TRANSISTOR		
Q321	2SC2412K/QR/-X	TRANSISTOR		
Q502	2SC2412K/QR/-X	TRANSISTOR		
Q503	DTC144EKA-X	DIGI TRANSISTOR		
Q601	DTC323TK-X	DIGI TRANSISTOR		
Q602	DTC323TK-X	DIGI TRANSISTOR		
Q603	2SA1037AK/QR/-X	TRANSISTOR		
D101	MA3056/M/-X	Z DIODE		
D102	MA3056/M/-X	Z DIODE		
D103	MA3056/M/-X	Z DIODE		
D104	MA3056/M/-X	Z DIODE		
D111	MA3056/M/-X	Z DIODE		
D112	MA3056/M/-X	Z DIODE		
D113	MA3056/M/-X	Z DIODE		
D114	MA3039/H/-X	Z DIODE		
D131	MA3120/M/-X	Z DIODE		
D161	MA3120/M/-X	Z DIODE		
D162	MA3120/M/-X	Z DIODE		
D163	MA3120/M/-X	Z DIODE		
D164	MA3120/M/-X	Z DIODE		
D681	MA3150/M/-X	Z DIODE		
D682	MA3150/M/-X	Z DIODE		
C001	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C002	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C004	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C006	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C008	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C009	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C010	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C011	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C012	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C101	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C102	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C103	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C104	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C105	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C106	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C107	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C111	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C112	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C113	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C114	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C115	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C116	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C117	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C122	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C124	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C125	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C131	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C132	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C133	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C141	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C142	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C143	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C144	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C145	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C146	QETN1HM-106Z	E CAPACITOR	10uF 50V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
C147	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C148	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C149	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C150	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C151	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C152	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C153	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C162	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C163	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C164	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C165	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C167	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C168	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C169	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C170	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C171	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C172	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C173	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C174	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C175	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C176	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C177	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C178	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C179	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C181	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C182	QENC1EM-106Z	BP E CAPACITOR	10uF 25V M	
C183	QENC1HM-105Z	BP E CAPACITOR	1uF 50V M	
C184	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C185	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C190	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C213	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C214	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C301	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C311	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C321	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C331	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C341	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C342	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C343	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C344	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
C508	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C509	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C510	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C511	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C512	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
C513	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C514	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C515	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C516	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C517	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C518	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C519	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C520	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C521	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C522	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C523	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C524	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C525	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C526	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C527	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C528	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C529	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C530	NDC31HJ-102X	C CAPACITOR	1000pF 50V J	
C531	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C532	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C533	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C534	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
C535	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C611	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C612	QENC1HM-225Z	BP E CAPACITOR	2.2uF 50V M	
C671	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C672	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C673	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C678	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C679	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C681	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C683	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C901	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C902	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C903	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
R001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R003	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R004	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R008	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R101	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R102	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R103	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R104	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R106	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R108	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R109	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R113	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R114	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R115	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R116	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R117	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R118	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R119	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R127	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R129	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R131	QRG01GJ-101	OMF RESISTOR	100Ω 1W J	
R132	QRK126J-181X	UNF C RESISTOR	180Ω 1/2W J	
R133	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R135	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R136	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R137	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R138	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R139	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R141	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R147	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R155	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R156	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R157	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R160	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R161	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R162	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R163	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R164	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R165	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R166	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R167	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R168	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R169	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R170	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R171	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R172	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R173	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R174	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R175	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R176	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R177	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R178	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R179	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R180	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R181	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R182	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R183	QRK126J-151X	UNF C RESISTOR	150Ω 1/2W J	
R184	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R185	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R186	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R187	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R188	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R189	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R190	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R191	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R192	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R193	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R194	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R202	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R203	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R204	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R205	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R206	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R207	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R208	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R211	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R212	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R213	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R214	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R215	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R216	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R217	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R218	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R221	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R222	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R223	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R224	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R225	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R226	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R227	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R228	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R231	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R232	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R234	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R235	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R241	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R242	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R250	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R251	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R301	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R302	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R303	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R311	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R312	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R313	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R314	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R321	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R322	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R323	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R324	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R341	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R342	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R343	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R344	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R510	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R511	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R514	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R515	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R516	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R517	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R518	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R519	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R522	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R608	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R671	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R672	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R673	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R674	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R677	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R678	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R680	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R681	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R682	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R683	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R685	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R686	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
L001	QQL244K-270Z	COIL	27uH K	
L002	QQL244K-100Z	COIL	10uH K	
L003	QQL244K-100Z	COIL	10uH K	
L503	QRN143J-0R0X	C RESISTOR	0Ω 1/4W J	
L504	QQL244K-4R7Z	COIL	4.7uH K	
CN006	QGB1505K1-25	CONNECTOR	B-B (1-25)	
CN007	QGB1505K1-35	CONNECTOR	B-B (1-35)	
J001	QNZ0465-001	21P CONNECTOR	EXT-2/EXT-3	
J002	QNZ0463-001	21P CONNECTOR	EXT-1	
J003	QNN0349-002	PIN JACK	EXT-4(Y/Pb/Pr)	
J004	QNN0348-001	PIN JACK	EXT-4(LR)	
K101	CE42681-001Y	CHIP BEADS CORE		
K102	CE42681-001Y	CHIP BEADS CORE		
K103	CE42681-001Y	CHIP BEADS CORE		
K104	CE42681-001Y	CHIP BEADS CORE		
K105	QQR0716-001Z	FERRITE BEADS		
K501	NQR0389-003X	FERRITE BEADS		
K502	NQR0389-003X	FERRITE BEADS		
LC001	NQR0431-001X	EMI FILTER		
LC501	NQR0431-001X	EMI FILTER		
TU002	QAU0301-001	TUNER		
UD001	QAU0283-001	RF SPLITTER		
X501	CE42546-001Z	X TAL		

DIST P.W. BOARD ASS’Y (SMK-0Z001A-U2)

⚠ Ref No.	Part No.	Part Name	Description	Local
IC001	TC90A90FG	IC	(100pin)	
IC002	TC7WH34FU-X	IC	NON-INVERTER	
IC003	AD9883AKST-110	IC	(80pin)	
IC004	TC7WH34FU-X	IC	NON-INVERTER	
IC005	MSM514265E-60TS	IC		
IC006	R1170H331B-X	IC	Regulator	
IC101	TMS57128GJG	IC	(264pin)	
IC102	HY5DU643222AQ-5	IC	(80pin)	
IC103	MBV400TC90PFN20	IC(MICRO C ROM)		
IC104	TC7WH74FU-X	IC(DIGITAL)	FLIP FLOP	
IC105	TC7S08F-X	IC(DIGITAL)	NAND	
IC106	S-80828CLNB-W	IC		
IC107	LP3964EMP-ADJ-X	IC		
IC108	LP3964EMP-ADJ-X	IC		
IC201	JCC5054	IC	(256pin)	
IC203	R1170H151B-X	IC		
IC204	TK15452V-X	IC	3CH V Amp	
IC205	TC7WH34FU-X	IC	NON-INVERTER	
IC206	R1170H251B-X	IC		
IC207	BU2098F-X	IC		
IC208	TC7S66F-X	IC(DIGITAL)	BILATERAL SW	
IC209	TC7WH157FU-X	IC		
IC210	TLC2932IPW-X	IC		
IC214	TC7SET32FU-X	IC(DIGITAL)		
IC701	TB1274AF	IC		
IC702	TC90A69AF-X	IC		
IC801	TB1274AF	IC		
IC802	TC90A69AF-X	IC		
Q701	2SA1037AK/QR/-X	TRANSISTOR		
Q702	2SA1037AK/QR/-X	TRANSISTOR		
Q703	2SA1037AK/QR/-X	TRANSISTOR		
Q704	2SC2412K/QR/-X	TRANSISTOR		
Q705	2SA1037AK/QR/-X	TRANSISTOR		
Q753	2SC2412K/QR/-X	TRANSISTOR		
Q754	2SC2412K/QR/-X	TRANSISTOR		
Q755	2SC2412K/QR/-X	TRANSISTOR		
Q756	2SA1037AK/QR/-X	TRANSISTOR		
Q757	2SC2412K/QR/-X	TRANSISTOR		
Q758	2SC2412K/QR/-X	TRANSISTOR		
Q759	2SC2412K/QR/-X	TRANSISTOR		
Q760	2SA1037AK/QR/-X	TRANSISTOR		
Q761	2SC2412K/QR/-X	TRANSISTOR		
Q762	2SC2412K/QR/-X	TRANSISTOR		
Q763	2SC2412K/QR/-X	TRANSISTOR		
Q764	IMX1-XW	PAIR TRANSISTOR		
Q801	2SA1037AK/QR/-X	TRANSISTOR		
Q802	2SA1037AK/QR/-X	TRANSISTOR		
Q853	2SC2412K/QR/-X	TRANSISTOR		
Q854	2SC2412K/QR/-X	TRANSISTOR		
Q855	2SC2412K/QR/-X	TRANSISTOR		
Q856	2SA1037AK/QR/-X	TRANSISTOR		
Q857	2SC2412K/QR/-X	TRANSISTOR		
Q858	2SC2412K/QR/-X	TRANSISTOR		
Q859	2SC2412K/QR/-X	TRANSISTOR		
Q860	2SA1037AK/QR/-X	TRANSISTOR		
Q861	2SC2412K/QR/-X	TRANSISTOR		
Q862	2SC2412K/QR/-X	TRANSISTOR		
Q863	2SC2412K/QR/-X	TRANSISTOR		
Q864	IMX1-XW	PAIR TRANSISTOR		
QB001	2SC2412K/QR/-X	TRANSISTOR		
QB002	2SC2412K/QR/-X	TRANSISTOR		
QB003	2SA1037AK/QR/-X	TRANSISTOR		
QB004	2SC2412K/QR/-X	TRANSISTOR		
QB005	2SC2412K/QR/-X	TRANSISTOR		
QB006	2SC2412K/QR/-X	TRANSISTOR		
QB007	2SA1037AK/QR/-X	TRANSISTOR		
QB008	2SC2412K/QR/-X	TRANSISTOR		
QB009	2SC2412K/QR/-X	TRANSISTOR		
QB010	2SC2412K/QR/-X	TRANSISTOR		

⚠ Ref No.	Part No.	Part Name	Description	Local
QB011	2SA1037AK/QR/-X	TRANSISTOR		
QB012	2SC2412K/QR/-X	TRANSISTOR		
QB020	2SK1374-X	MOS FET		
QB021	2SK1374-X	MOS FET		
QB101	2SC3837K/NP/-X	TRANSISTOR		
QB102	2SA1022/BC/-X	TRANSISTOR		
QB103	2SC3837K/NP/-X	TRANSISTOR		
QB104	2SA1022/BC/-X	TRANSISTOR		
QB105	2SC3837K/NP/-X	TRANSISTOR		
QB106	2SA1022/BC/-X	TRANSISTOR		
QB107	IMX1-XW	PAIR TRANSISTOR		
QB108	IMX1-XW	PAIR TRANSISTOR		
QB109	IMX1-XW	PAIR TRANSISTOR		
QB211	2SC3837K/NP/-X	TRANSISTOR		
QB212	IMX1-XW	PAIR TRANSISTOR		
QB231	2SC3837K/NP/-X	TRANSISTOR		
QB232	IMX1-XW	PAIR TRANSISTOR		
QB251	2SC3837K/NP/-X	TRANSISTOR		
QB252	IMX1-XW	PAIR TRANSISTOR		
QB271	2SC3837K/NP/-X	TRANSISTOR		
QB272	2SC3837K/NP/-X	TRANSISTOR		
QB273	2SC3837K/NP/-X	TRANSISTOR		
QB274	2SC3837K/NP/-X	TRANSISTOR		
QB275	2SC3837K/NP/-X	TRANSISTOR		
QB276	2SC3837K/NP/-X	TRANSISTOR		
QB277	2SA1022/BC/-X	TRANSISTOR		
DB201	MA111-X	SI DIODE		
C701	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C702	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C703	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C704	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C706	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C707	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C708	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C709	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C710	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C711	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C712	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C713	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C714	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C715	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C716	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C717	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C718	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C719	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C720	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C721	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C722	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C723	NCB31HK-153X	C CAPACITOR	0.015uF 50V K	
C724	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C726	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C728	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C750	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C751	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C752	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C753	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C754	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C755	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C756	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C757	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C758	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C759	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C760	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C761	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C762	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C763	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C764	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C765	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C766	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C767	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C768	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C769	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C770	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C771	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C772	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C773	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C774	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C775	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C776	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C777	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C778	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C779	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C780	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C781	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠ Ref No.	Part No.	Part Name	Description	Local
C782	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C783	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C784	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C785	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C786	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C787	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C788	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C789	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C790	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C791	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C794	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C795	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C796	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C801	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C802	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C803	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C804	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C805	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C806	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C807	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C808	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C809	NCF11CZ-475X	C CAPACITOR	4.7uF 16V Z	
C810	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C811	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C812	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C813	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C814	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C815	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C816	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C817	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C818	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C819	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C820	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C821	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C822	NCB11CK-225X	C CAPACITOR	2.2uF 16V K	
C823	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C824	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C826	NEH71EM-226X	E CAPACITOR	22uF 25V M	
C827	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C828	NCF31CZ-334X	C CAPACITOR	0.33uF 16V Z	
C850	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C851	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
C852	NDC31HJ-820X	C CAPACITOR	82pF 50V J	
C853	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C854	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C857	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C859	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C861	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C862	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C863	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C864	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C865	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C866	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C867	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C868	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C869	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C870	NDC31HJ-560X	C CAPACITOR	56pF 50V J	
C871	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C872	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C873	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C874	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
C875	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C876	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C877	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C878	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C879	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C880	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C881	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C882	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C883	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C884	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C885	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C886	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C887	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C888	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
C889	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C890	NEH71CM-106X	E CAPACITOR	10uF 16V M	
C891	NEH71CM-476X	E CAPACITOR	47uF 16V M	
C892	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C893	NDC31HJ-151X	C CAPACITOR	150pF 50V J	
C894	NDC31HJ-180X	C CAPACITOR	18pF 50V J	
C895	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
CB001	NEH71CM-106X	E CAPACITOR	10uF 16V M	

⚠ Ref No.	Part No.	Part Name	Description	Local
CB002	NDC31HJ-120X	C CAPACITOR	12pF 50V J	
CB003	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
CB004	NDC31HJ-150X	C CAPACITOR	15pF 50V J	
CB005	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB006	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB007	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB008	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB009	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB010	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB011	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB012	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB013	NDC31HJ-121X	C CAPACITOR	120pF 50V J	
CB014	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB021	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB022	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB023	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
CB024	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB025	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB026	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB027	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB028	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB029	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB030	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB031	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB032	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB033	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB034	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB035	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB036	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB037	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB038	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB039	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
CB040	NCB30JK-105X	C CAPACITOR	1uF 6.3V K	
CB041	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB042	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB043	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB044	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB045	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB046	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB047	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB048	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB049	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB050	NEH71CM-476X	E CAPACITOR	47uF 16V M	
CB051	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB052	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB053	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB054	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB055	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB056	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB101	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB104	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB105	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB106	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB107	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB110	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB111	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB112	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB113	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB116	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB117	NDC31HJ-3R0X	C CAPACITOR	3pF 50V J	
CB118	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB119	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB120	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB121	NCB31EK-473X	C CAPACITOR	0.047uF 25V K	
CB122	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
CB123	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB124	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB125	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB126	NCB31EK-393X	C CAPACITOR	0.039uF 25V K	
CB127	NCB31HK-392X	C CAPACITOR	3900pF 50V K	
CB128	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB129	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB130	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB131	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB132	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB133	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB134	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB135	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB136	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB137	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB138	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB139	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB140	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB144	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB145	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB146	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB201	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB202	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB208	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB209	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB211	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB212	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB213	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB214	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB219	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB220	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB223	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB225	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB226	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB233	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB234	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
CB301	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB302	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB303	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB304	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB305	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB306	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB307	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB308	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB309	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB310	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB311	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB312	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB313	NCB31HK-682X	C CAPACITOR	6800pF 50V K	
CB314	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB315	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB316	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB317	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB318	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB319	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB320	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB321	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB322	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB323	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB324	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB325	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB326	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB327	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB328	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB329	NCB31AK-334X	C CAPACITOR	0.33uF 10V K	
CB330	NCB31HK-822X	C CAPACITOR	8200pF 50V K	
CB331	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB332	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB333	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB334	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB335	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB336	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB337	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB340	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB341	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB342	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB343	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB344	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB345	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB346	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB347	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB348	NEH71EM-336X	E CAPACITOR	33uF 25V M	
CB349	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB350	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB351	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB352	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB353	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB354	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB355	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB356	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB357	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB359	NDC31HJ-221X	C CAPACITOR	220pF 50V J	
CB360	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB361	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB362	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB363	NCF31CZ-474X	C CAPACITOR	0.47uF 16V Z	
CB364	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB365	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB371	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB375	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB376	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB379	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
CB380	NEX50GM-107X	E CAPACITOR	100uF 4V M	
CB401	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB402	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB403	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB404	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB405	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB407	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	

⚠ Ref No.	Part No.	Part Name	Description	Local
CB409	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB410	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB411	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB412	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB414	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB416	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB424	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
CB427	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB428	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB429	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB431	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
CB501	NBE71CM-476X	TA E CAPACITOR	47uF 16V M	
CB502	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB503	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB504	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB505	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB506	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB507	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB508	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB509	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB511	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB512	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB513	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB514	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB515	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB516	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
CB518	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB519	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB520	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
CB522	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB531	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB532	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB533	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB534	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB535	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB536	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
CB538	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB539	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB540	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
CB542	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB551	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB552	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB553	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB554	NEH90JM-336X	E CAPACITOR	33uF 6.3V M	
CB555	NEH70JM-107X	E CAPACITOR	100uF 6.3V M	
CB556	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J	
CB558	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB559	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB560	NDC31HJ-270X	C CAPACITOR	27pF 50V J	
CB562	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB571	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB572	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB573	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
CB574	NCB21CK-474X	C CAPACITOR	0.47uF 16V K	
CB575	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB576	NDC31HJ-5R0X	C CAPACITOR	5pF 50V J	
CB578	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB579	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
CB580	NDC31HJ-390X	C CAPACITOR	39pF 50V J	
CB581	NDC31HJ-8R0X	C CAPACITOR	8pF 50V J	
CB582	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB601	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB602	NEH71CM-106X	E CAPACITOR	10uF 16V M	
CB603	NCB21HK-472X	C CAPACITOR	4700pF 50V K	
CB604	NEH71HM-474X	E CAPACITOR	0.47uF 50V M	
CB611	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
CB612	NEH71CM-106X	E CAPACITOR	10uF 16V M	
R002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R701	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R702	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R703	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R704	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R705	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R706	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R707	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R710	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R711	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R712	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R713	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R714	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R715	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R716	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R717	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R718	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R719	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R720	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R721	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R723	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R724	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R725	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R726	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R727	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R748	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R751	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R752	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R753	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R754	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R755	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R759	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R760	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R761	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R762	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R763	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R764	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R766	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R767	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R768	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R769	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R770	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R771	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R772	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R773	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R774	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R775	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R776	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R777	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R778	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R779	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R780	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R781	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R782	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R783	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R784	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R785	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R786	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R787	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R788	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R789	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R790	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R794	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R795	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R798	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R799	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R801	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R802	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R803	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R804	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R805	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R806	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R807	NRSA63J-752X	MG RESISTOR	7.5kΩ 1/16W J	
R808	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R809	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R810	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R811	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R812	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R813	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R814	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R815	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R816	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R817	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R818	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R819	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R851	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R852	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R853	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R854	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R855	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R859	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R862	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R863	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R864	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R865	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R866	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R867	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R868	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R869	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R870	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R871	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
R872	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R873	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R874	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R875	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R876	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R877	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R878	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R879	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R880	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R881	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R882	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R883	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R884	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R885	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R886	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R887	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R888	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R889	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R890	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R893	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R899	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RA001	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA002	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA003	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA004	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA005	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA006	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA007	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA008	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA009	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA010	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA011	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA012	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA013	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA014	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA015	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA016	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA017	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA101	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA102	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA103	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA104	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA105	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA106	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA107	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA108	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA109	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA110	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA111	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA112	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA113	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA114	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA115	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA116	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA117	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA118	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA119	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA120	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA121	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA122	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA123	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA124	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA125	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA126	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA127	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA128	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA129	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA130	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA131	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA132	NRZ0034-122W	NET RESISTOR	1.2kΩ 1/32W J	
RA133	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA134	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA135	NRZ0040-0R0X	NET RESISTOR	0Ω 1/16W J x4	
RA201	NRZ0040-103X	NET RESISTOR	10kΩ 1/16W J x4	
RA212	NRZ0040-101X	NET RESISTOR	100Ω 1/16W J x4	
RA214	NRZ0040-102X	NET RESISTOR	1kΩ 1/16W J x4	
RB001	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB002	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB003	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB004	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB005	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB006	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB007	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
RB008	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB009	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB010	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB011	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	

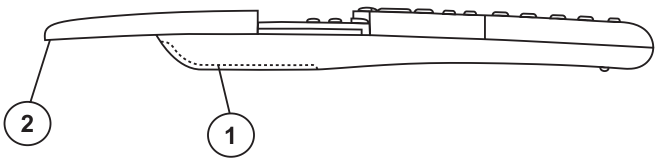
⚠ Ref No.	Part No.	Part Name	Description	Local
RB012	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB013	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB015	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB016	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB017	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB018	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB019	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB020	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB021	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB022	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB023	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB024	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB025	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB026	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB028	NRSA63J-393X	MG RESISTOR	39kΩ 1/16W J	
RB029	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB030	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB031	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB032	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB033	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
RB034	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB035	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB036	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB037	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB038	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB039	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
RB040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB051	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB052	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB053	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB057	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB058	NRSA63J-155X	MG RESISTOR	1.5MΩ 1/16W J	
RB059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB060	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB061	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB062	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB066	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB068	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB103	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB105	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB106	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB107	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
RB108	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB110	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB111	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB114	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB116	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB117	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB118	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
RB119	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB121	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB122	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB125	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB127	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB128	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB129	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
RB130	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB132	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB133	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB134	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB135	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB136	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB137	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB138	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB139	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB140	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
RB141	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB148	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB149	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB150	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB151	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB152	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB153	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB154	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB155	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB156	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB157	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB158	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB159	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB160	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB161	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
RB162	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
RB201	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB203	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB204	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB206	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB211	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB212	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB213	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB215	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB217	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB219	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB220	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB221	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB222	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB223	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB224	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB225	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB226	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB227	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB228	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB229	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB230	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
RB240	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB241	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB242	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB243	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB244	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB245	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB246	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB247	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB248	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB249	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB250	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB251	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB252	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB253	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB254	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB255	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB257	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
RB258	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB260	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB261	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB262	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB263	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB264	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB265	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB266	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB267	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB268	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB269	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB301	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB302	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB304	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB305	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB307	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB308	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB309	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB310	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB311	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB312	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB318	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB319	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB320	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB324	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
RB325	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB328	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB329	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB331	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB333	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB334	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB335	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB336	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB337	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
RB338	NRVA63D-471X	CMF RESISTOR	470Ω 1/16W D	
RB339	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB340	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB341	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB342	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB343	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB344	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
RB345	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB346	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB347	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB349	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB350	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB351	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB352	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB353	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB354	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB355	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
RB361	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB362	NRVA63D-103X	CMF RESISTOR	10kΩ 1/16W D	
RB363	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB364	NRVA02D-222X	CMF RESISTOR	2.2kΩ 1/10W D	
RB365	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB366	NRVA63D-473X	CMF RESISTOR	47kΩ 1/16W D	
RB367	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB368	NRVA02D-682X	CMF RESISTOR	6.8kΩ 1/10W D	
RB375	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB376	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB377	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB401	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB402	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB403	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB404	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB405	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB406	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB407	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB408	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB410	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB411	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB413	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB415	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB417	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB418	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB420	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB421	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB422	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB424	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB425	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB428	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB430	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB431	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB442	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB443	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB444	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB445	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB446	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB447	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB448	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB457	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB458	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB459	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB460	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB461	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB462	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB464	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB465	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB466	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB473	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB474	NRVA02D-562X	CMF RESISTOR	5.6kΩ 1/10W D	
RB475	NRVA02D-103X	CMF RESISTOR	10kΩ 1/10W D	
RB479	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB482	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB483	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB502	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB503	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	
RB504	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB505	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
RB506	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB507	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB508	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB511	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB512	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB513	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB514	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB515	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB516	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB517	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB518	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB519	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB520	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB521	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB522	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB523	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB524	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB525	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB526	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB527	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	

⚠ Ref No.	Part No.	Part Name	Description	Local
RB528	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB529	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB530	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB531	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB532	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB533	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB534	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB535	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB536	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB537	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB538	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB539	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB540	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB541	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB542	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB543	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB544	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB545	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB546	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB547	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB548	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB549	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB550	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB551	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB552	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB553	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB554	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB555	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB556	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB557	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB558	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB559	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB560	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB561	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
RB562	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB563	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB564	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB565	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
RB566	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB567	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB568	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB569	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB570	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB571	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB572	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB573	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB574	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB575	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB576	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
RB577	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB578	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB579	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB580	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB581	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
RB582	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
RB583	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB584	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
RB585	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB586	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
RB587	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB588	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
RB589	NRSA63J-560X	MG RESISTOR	56Ω 1/16W J	
RB590	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
RB591	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
RB592	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
RB593	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
RB595	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
RB596	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
RB597	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
RB598	NRSA63J-121X	MG RESISTOR	120Ω 1/16W J	
RB601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB604	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
RB605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB610	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB612	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
RB613	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
RB621	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
RB622	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
RB623	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
L701	NQL092K-3R3X	P COIL	3.3uH K	
L702	NQL092K-3R3X	P COIL	3.3uH K	
L703	NQL092K-3R3X	P COIL	3.3uH K	
L704	NQL092K-3R3X	P COIL	3.3uH K	
L705	NQL092K-3R3X	P COIL	3.3uH K	
L706	NQL092K-3R3X	P COIL	3.3uH K	
L707	NQR0413-003X	FERRITE BEADS		
L708	NQR0413-003X	FERRITE BEADS		
L709	NQR0413-003X	FERRITE BEADS		
L751	NQL092K-6R8X	P COIL	6.8uH K	
L752	NQL092K-6R8X	P COIL	6.8uH K	
L753	NQL092K-6R8X	P COIL	6.8uH K	
L754	NQL092M-270X	P COIL	27uH M	
L761	NQL034K-220X	P COIL	22uH K	
L762	NQL034K-101X	P COIL	100uH K	
L763	NQL034K-220X	P COIL	22uH K	
L764	NQL034K-101X	P COIL	100uH K	
L765	NQL034K-101X	P COIL	100uH K	
L766	NQL034K-220X	P COIL	22uH K	
L767	NQL034K-220X	P COIL	22uH K	
L768	NQR0413-003X	FERRITE BEADS		
L769	NQL092M-180X	P COIL	18uH M	
L801	NQL092K-3R3X	P COIL	3.3uH K	
L802	NQL092K-3R3X	P COIL	3.3uH K	
L803	NQL092K-3R3X	P COIL	3.3uH K	
L804	NQL092K-3R3X	P COIL	3.3uH K	
L805	NQL092K-3R3X	P COIL	3.3uH K	
L806	NQL092K-3R3X	P COIL	3.3uH K	
L807	NQR0413-003X	FERRITE BEADS		
L808	NQR0413-003X	FERRITE BEADS		
L809	NQR0413-003X	FERRITE BEADS		
L851	NQL092K-6R8X	P COIL	6.8uH K	
L852	NQL092K-6R8X	P COIL	6.8uH K	
L853	NQL092K-6R8X	P COIL	6.8uH K	
L854	NQL092M-270X	P COIL	27uH M	
L861	NQL034K-220X	P COIL	22uH K	
L862	NQL034K-101X	P COIL	100uH K	
L863	NQL034K-101X	P COIL	100uH K	
L864	NQL034K-101X	P COIL	100uH K	
L865	NQL034K-220X	P COIL	22uH K	
L866	NQL034K-220X	P COIL	22uH K	
L867	NQL034K-220X	P COIL	22uH K	
L868	NQR0413-003X	FERRITE BEADS		
L869	NQL092M-180X	P COIL	18uH M	
LB001	NQL092M-180X	P COIL	18uH M	
LB002	NQL085J-101X	COIL	100uH J	
LB003	NQL085J-101X	COIL	100uH J	
LB005	NQR0413-003X	FERRITE BEADS		
LB007	NQL092K-2R2X	P COIL	2.2uH K	
LB008	NQL092K-2R2X	P COIL	2.2uH K	
LB009	NQL092K-2R2X	P COIL	2.2uH K	
LB101	NQR0413-003X	FERRITE BEADS		
LB102	NQR0413-003X	FERRITE BEADS		
LB104	NQR0413-003X	FERRITE BEADS		
LB106	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB109	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB202	NQR0413-003X	FERRITE BEADS		
LB204	NQR0413-003X	FERRITE BEADS		
LB205	NQR0413-003X	FERRITE BEADS		
LB206	NQR0413-003X	FERRITE BEADS		
LB207	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
LB211	NQL092K-2R2X	P COIL	2.2uH K	
LB231	NQL092K-2R2X	P COIL	2.2uH K	
LB251	NQL092K-2R2X	P COIL	2.2uH K	
LB271	NQL092K-2R2X	P COIL	2.2uH K	
LB602	NQR0413-003X	FERRITE BEADS		
KB002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB003	NQR0413-002X	FERRITE BEADS		
KB004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB012	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB013	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB014	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB015	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB020	NQR0413-002X	FERRITE BEADS		
KB021	NQR0413-002X	FERRITE BEADS		
KB022	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB201	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
KB202	NQR0413-003X	FERRITE BEADS		
LC005	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC006	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC008	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC009	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC010	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC011	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC012	NQR0416-001X	EMI FILTER		
LC013	NQR0416-001X	EMI FILTER		
LC017	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC018	NQR0415-005X	EMI FILTER	0.1uF 25V M	

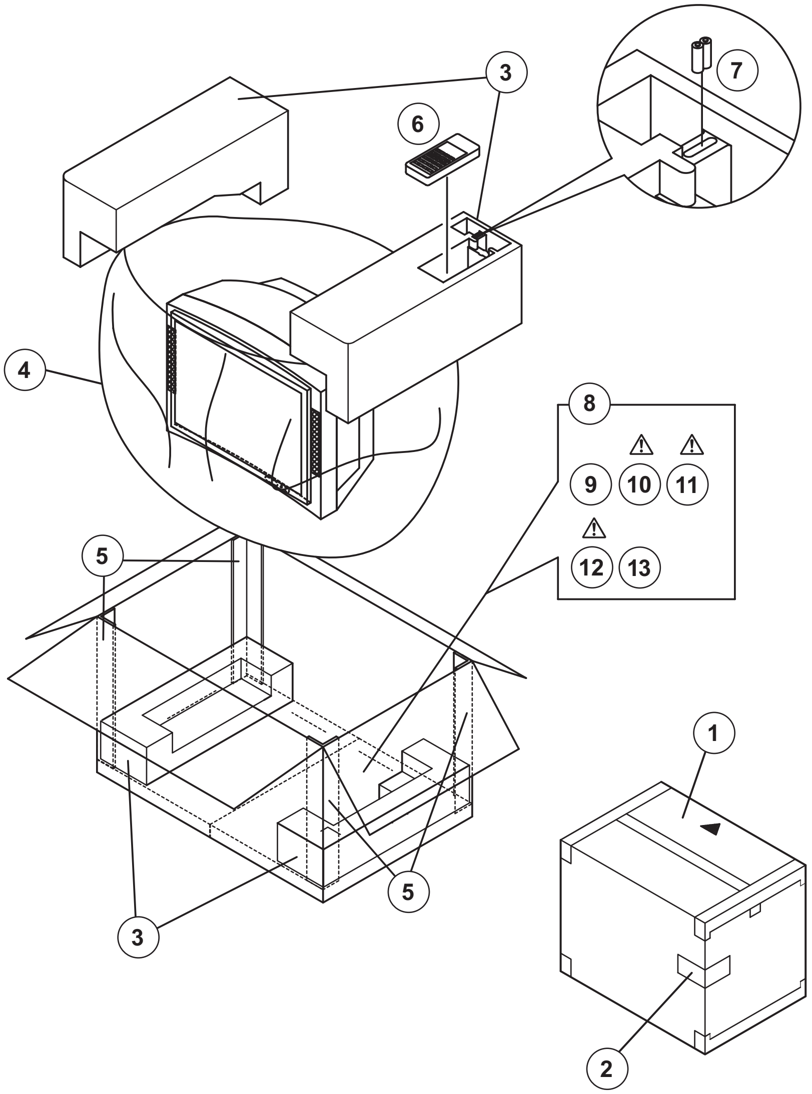
⚠ Ref No.	Part No.	Part Name	Description	Local
LC019	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC020	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC021	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC025	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC029	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC030	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC031	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC032	NQR0415-005X	EMI FILTER	0.1uF 25V M	
LC601	NQR0415-005X	EMI FILTER	0.1uF 25V M	
X101	NAX0539-001X	CXO	10.000MHz	
X601	NAX0526-001X	CXO	74.1758MHz	
X701	QAX0305-001	CRYSTAL	16.200MHz	
X801	QAX0305-001	CRYSTAL	16.200MHz	

REMOTE CONTROL UNIT PARTS LIST



⚠ Ref.No.	Part No.	Part Name	Description	Local
1	2AA027770	BATTERY DOOR	RM-C61-1C/RM-C62-1C	
2	2AA027760	COVER	RM-C61-1C/RM-C62-1C	

PACKING



* INSTRUCTION BOOK LANGUAGE

EN	ENGLISH
GE	GERMANY
DU	DUTCH
SP	SPANISH
IT	ITALIAN
DA	DANISH
FI	FINNISH
SW	SWEDISH
NO	NORWEGIAN
PT	PORTUGUESE
CZ	CZECH
RU	RUSSIAN
HU	HUNGARIAN
PO	POLISH
FR	FRENCH
RUM	RUMANIAN
BUL	BULGARIAN

PACKING PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LC10101-017A	PACKING CASE		
	2	AEM1064-034-E	EURO LABEL		EUW
	2	AEM1064-035-E	EURO LABEL		EJW
	3	LC11361-001C	CUSHION ASSY	4pcs in 1set	
	4	AEM1047-A02-E	POLY BAG	TV set	
	5	AEM3119-006A-E	CORNER POST	(x4)	
	6	RM-C61-1C	REMOCON		EUW
	6	RM-C62-1C	REMOCON		EJW
	7	------------	BATTERY	(x2)	
	8	AEM3021-003A-E	POLY BAG	ACCESSORY	
	9	BT-54013-4E	WARRANTY CARD		
⚠	10	LCT1272-001A-U	INST BOOK	EN/GE/FR/DU/SP/IT/PT	EUW
⚠	10	LCT1271-001A-U	INST BOOK	EN	EJW
⚠	11	LCT1273-001A-U	INST BOOK	NO/FI/DA/SW	EUW
⚠	12	LCT1274-001A-U	INST BOOK	RU/PO/CZ/HU/RUM/BUL	EUW
	13	32D25EU-HS-A-E	S DAIAGRAM	[ITARY VERSION]	EUW

JVC

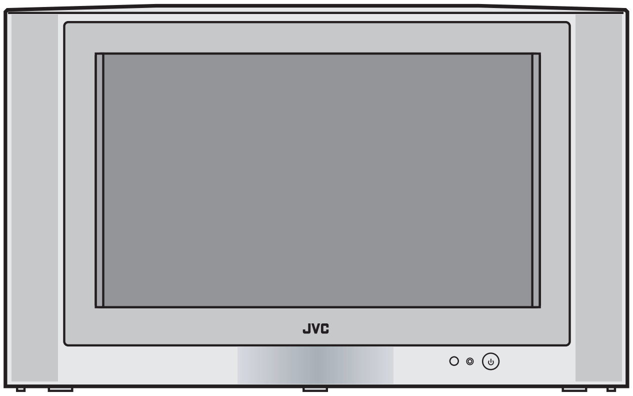
SCHEMATIC DIAGRAMS

COLOUR TELEVISION

HV-32D25EUW
HV-32D25EJW

CD-ROM No.SML200301

BASIC CHASSIS
MK



D.I.S.T. 1250i
InteriArt
Natural Vision
T-V LINK

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No.52068SCH
2002/12

HV-32D25EUW / HV-32D25EJW STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and variable resistor : Original setting position when shipped

(3)Internal resistance of tester :DC 20kΩ/V

(4)Oscilloscope sweeping time :H ⇒ 20μS/div
:V ⇒ 5mS/div
:Others ⇒ Sweeping time is specified

(5)Voltage values :All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board :R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

- Resistance value

No unit :[Ω]
K :[K Ω]
M :[M Ω]

- Rated allowable power

No indication :1/ 16 [W]
Others :As specified

- Type

No indication :Carbon resistor
OMR :Oxide metal film resistor
MFR :Metal film resistor
MPR :Metal plate resistor
UNFR :Uninflammable resistor
FR :Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

- Capacitance value

1 or higher :[pF]
less than 1 :[μF]

- Withstand voltage

No indication :DC50[V]
Others :DC withstand voltage [V]
AC indicated :AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]:Capacitance value [μF]/withstand voltage[V]

- Type

No indication :Ceramic capacitor
MM :Metalized mylar capacitor
PP :Polypropylene capacitor
MPP :Metalized polypropylene capacitor
MF :Metalized film capacitor
TF :Thin film capacitor
BP :Bipolar electrolytic capacitor
TAN :Tantalum capacitor

(3)Coils

No unit :[μH]
Others :As specified

(4)Power Supply

═══ :B1
▬▬▬▬ :B2 (12V)
▬□▬□ :9V
□□□□ :5V

∗ Respective voltage values are indicated

(5)Test point

◉ :Test point
○ :Only test point display

(6)Connecting method

▭ :Connector
○ :Wrapping or soldering
→>— →|— :Receptacle

(7)Ground symbol

⊥ :LIVE side ground
⫫ :ISOLATED(NEUTRAL) side ground
⏚ :EARTH ground
▽ :DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⫫) side GND.Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time.
If the above precaution is not respected , a fuse or any parts will be broken.

◇ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◇ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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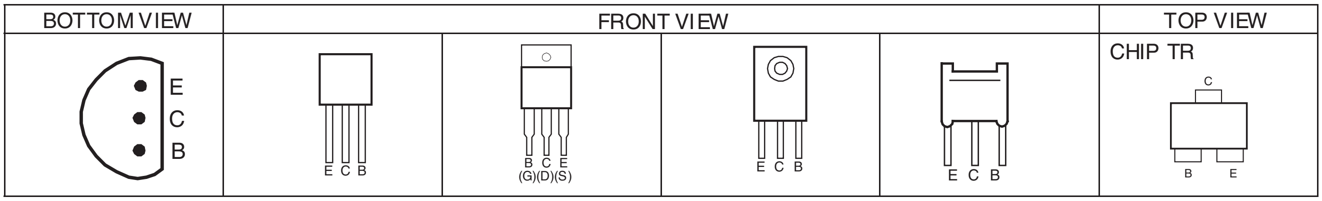
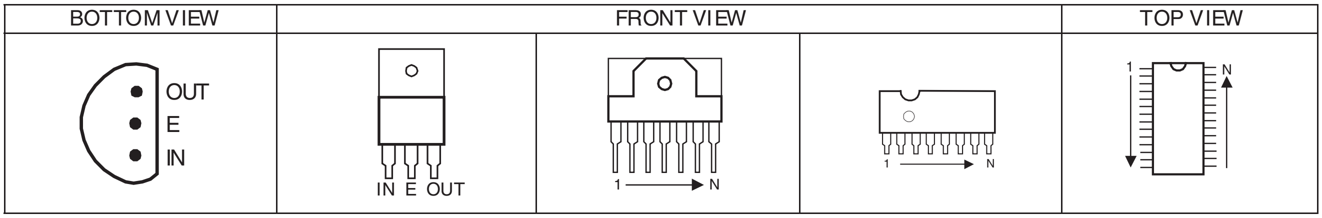
SEMICONDUCTOR SHAPES

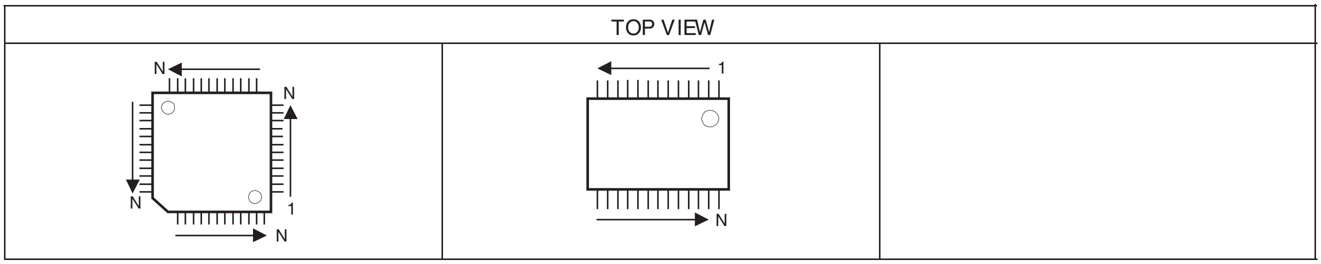
TRANSISTOR


BOTTOM VIEW
FRONT VIEW
TOP VIEW
E
C
B
E C B
B C E
(G)(D)(S)
E C B
E C B
CHIP TR
C
B
E

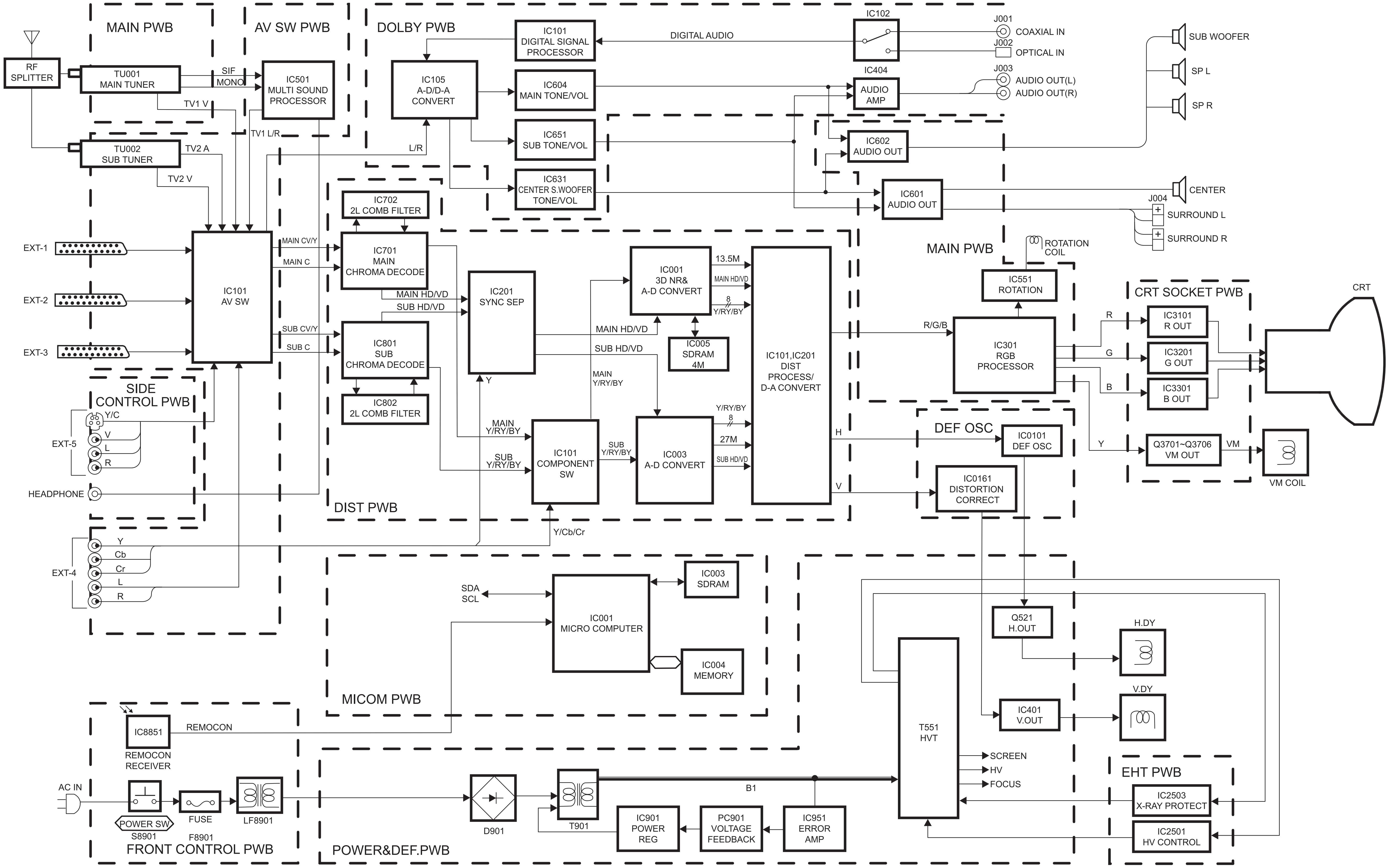
IC


BOTTOM VIEW
FRONT VIEW
TOP VIEW
OUT
E
IN
IN E OUT
1
N
1
N
1
N

CHIP IC

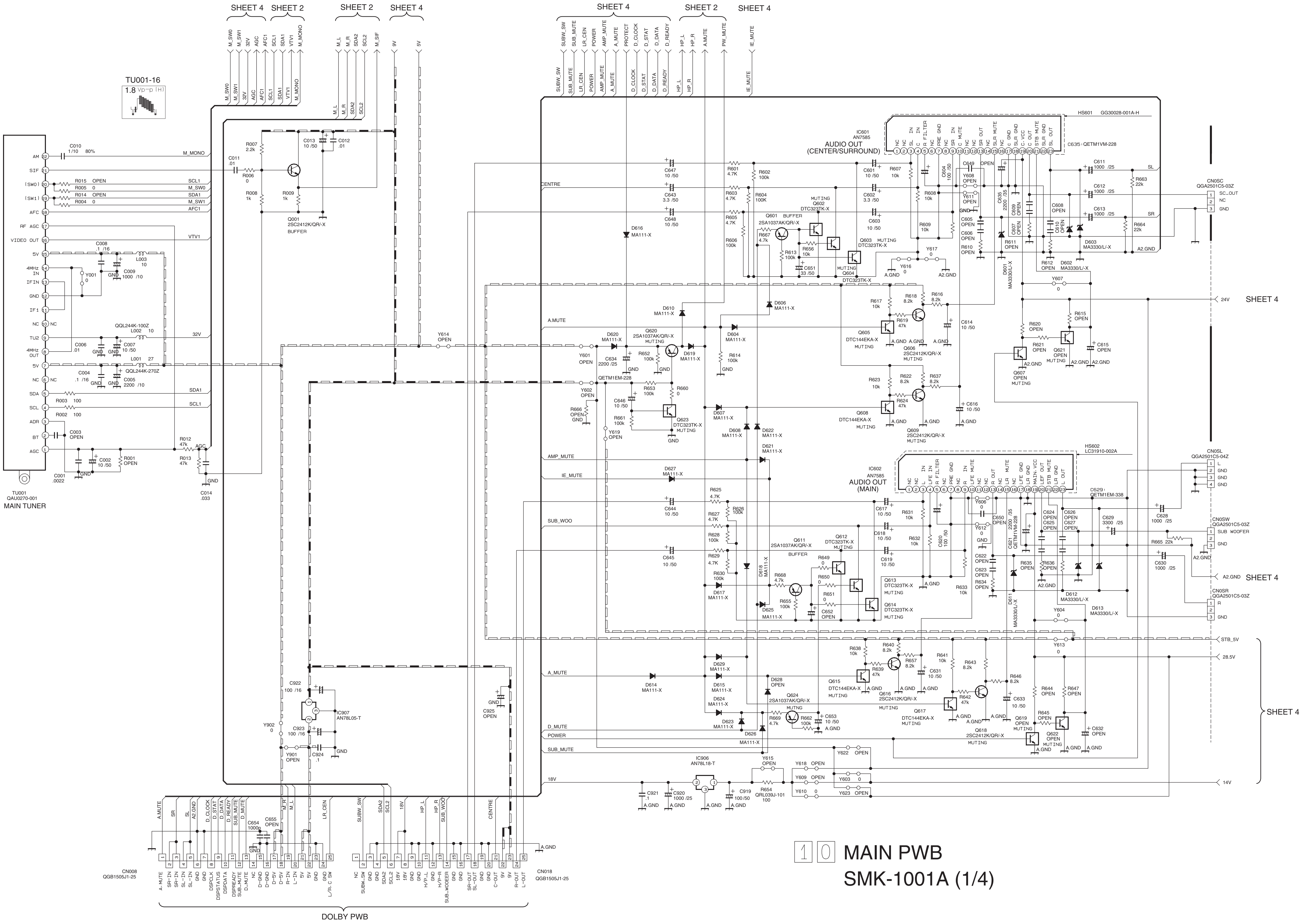

TOP VIEW
N
N
N
1
N
1
N

BLOCK DIAGRAM


MAIN PWB
AV SW PWB
DOLBY PWB
RF SPLITTER
TU001 MAIN TUNER
SIF
MONO
TV1 V
IC501 MULTI SOUND PROCESSOR
TV1 L/R
TU002 SUB TUNER
TV2 A
TV2 V
IC105 A-D/D-A CONVERT
L/R
IC101 DIGITAL SIGNAL PROCESSOR
DIGITAL AUDIO
IC102
J001
COAXIAL IN
J002
OPTICAL IN
IC604 MAIN TONE/VOL
IC404 AUDIO AMP
J003
AUDIO OUT(L)
AUDIO OUT(R)
IC651 SUB TONE/VOL
IC602 AUDIO OUT
IC631 CENTER S.WOOFER TONE/VOL
IC601 AUDIO OUT
SUB WOOFER
SP L
SP R
CENTER
J004
SURROUND L
SURROUND R
EXT-1
EXT-2
EXT-3
IC101 AV SW
MAIN CV/Y
MAIN C
SUB CV/Y
SUB C
IC702 2L COMB FILTER
IC701 MAIN CHROMA DECODE
MAIN HD/VD
SUB HD/VD
IC801 SUB CHROMA DECODE
IC802 2L COMB FILTER
IC201 SYNC SEP
Y
IC001 3D NR& A-D CONVERT
13.5M
MAIN HD/VD
8
Y/RY/BY
IC005 SDRAM 4M
MAIN HD/VD
SUB HD/VD
MAIN Y/RY/BY
IC101,IC201 DIST PROCESS/ D-A CONVERT
MAIN Y/RY/BY
SUB Y/RY/BY
IC101 COMPONENT SW
SUB Y/RY/BY
IC003 A-D CONVERT
Y/RY/BY
8
27M
SUB HD/VD
DIST PWB
Y/Cb/Cr
MAIN PWB
ROTATION COIL
IC551 ROTATION
R/G/B
IC301 RGB PROCESSOR
H
V
CRT SOCKET PWB
R
G
B
IC3101 R OUT
IC3201 G OUT
IC3301 B OUT
CRT
Y
Q3701~Q3706 VM OUT
VM
VM COIL
DEF OSC
IC0101 DEF OSC
IC0161 DISTORTION CORRECT
SIDE CONTROL PWB
Y/C
V
L
R
EXT-5
HEADPHONE
EXT-4
Y
Cb
Cr
L
R
SDA
SCL
IC001 MICRO COMPUTER
IC003 SDRAM
IC004 MEMORY
MICOM PWB
Q521 H.OUT
H.DY
IC401 V.OUT
V.DY
T551 HVT
SCREEN
HV
FOCUS
EHT PWB
IC2503 X-RAY PROTECT
IC2501 HV CONTROL
IC8851
REMOCON
REMOCON RECEIVER
AC IN
POWER SW
S8901
FUSE
F8901
LF8901
FRONT CONTROL PWB
D901
T901
B1
IC901 POWER REG
PC901 VOLTAGE FEEDBACK
IC951 ERROR AMP
POWER&DEF.PWB

CIRCUIT DIAGRAM

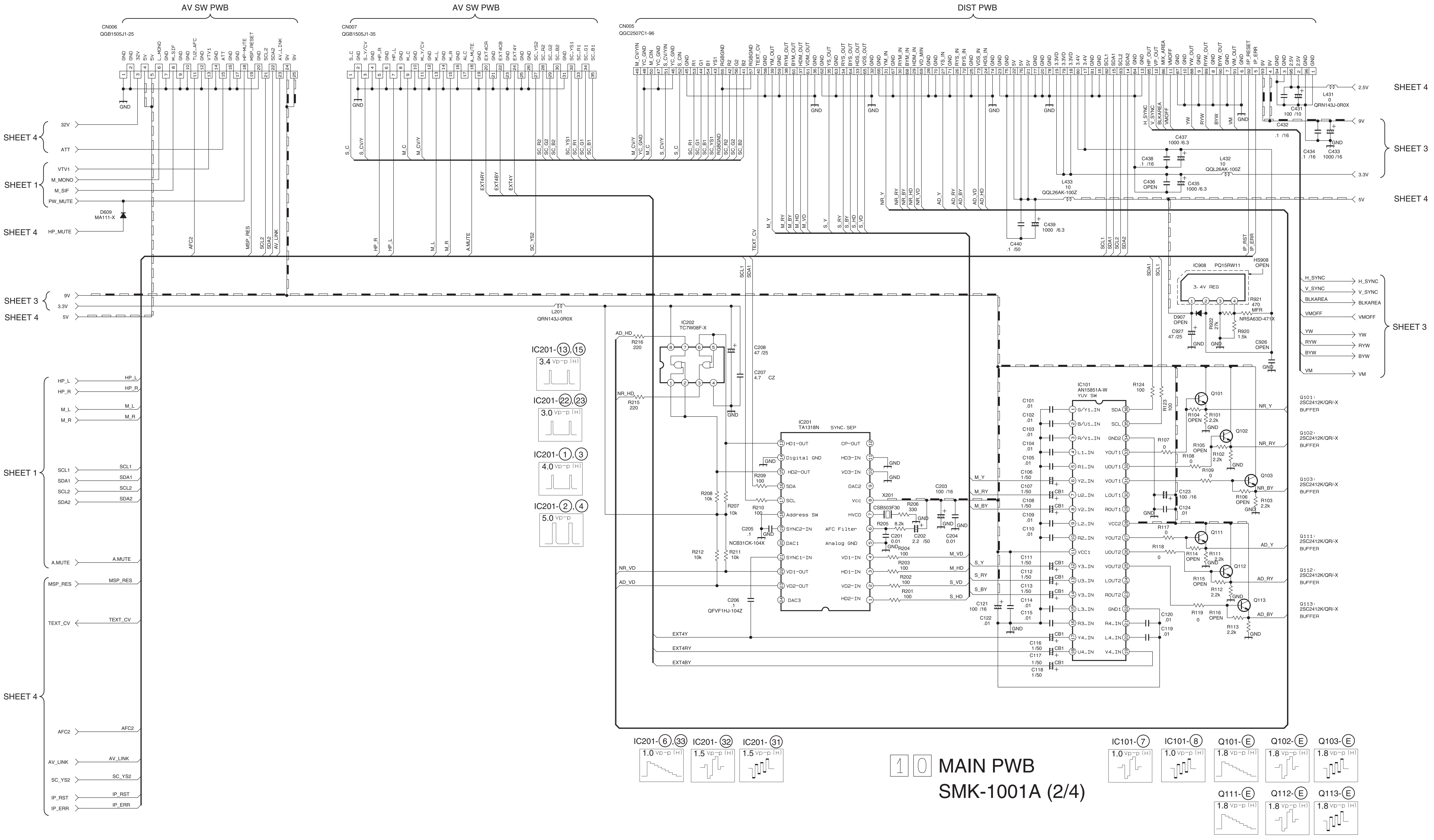
■ MAIN PWB CIRCUIT DIAGRAM (1/4) SHEET1


SHEET 4
SHEET 2
SHEET 2
SHEET 4
SHEET 4
SHEET 2
SHEET 4
TU001-16
1.8 Vp-p (H)
TU001
QAU0270-001
MAIN TUNER
AM
SIF
AFC
RF AGC
VIDEO OUT
5V
IFIN
GND
IF1
TU2
SDA
SCL
ADR
BT
AGC
Q001
2SC2412K/QR/-X
BUFFER
IC601
AN7585
AUDIO OUT
(CENTER/SURROUND)
HS601 GG30028-001A-H
IC602
AN7585
AUDIO OUT
(MAIN)
HS602
LC31910-002A
CN0SC
QGA2501C5-03Z
CN0SL
QGA2501C5-04Z
CN0SW
QGA2501C5-03Z
SUB WOOFER
CN0SR
QGA2501C5-03Z
IC906
AN78L18-T
IC907
AN78L05-T
24V
A2.GND
STB_5V
28.5V
14V
A.MUTE
AMP_MUTE
IE_MUTE
SUB_WOO
D_MUTE
POWER
SUB_MUTE
18V
CENTRE
CN008
QGB1505J1-25
CN018
QGB1505J1-25
DOLBY PWB
A.GND

10 MAIN PWB
SMK-1001A (1/4)

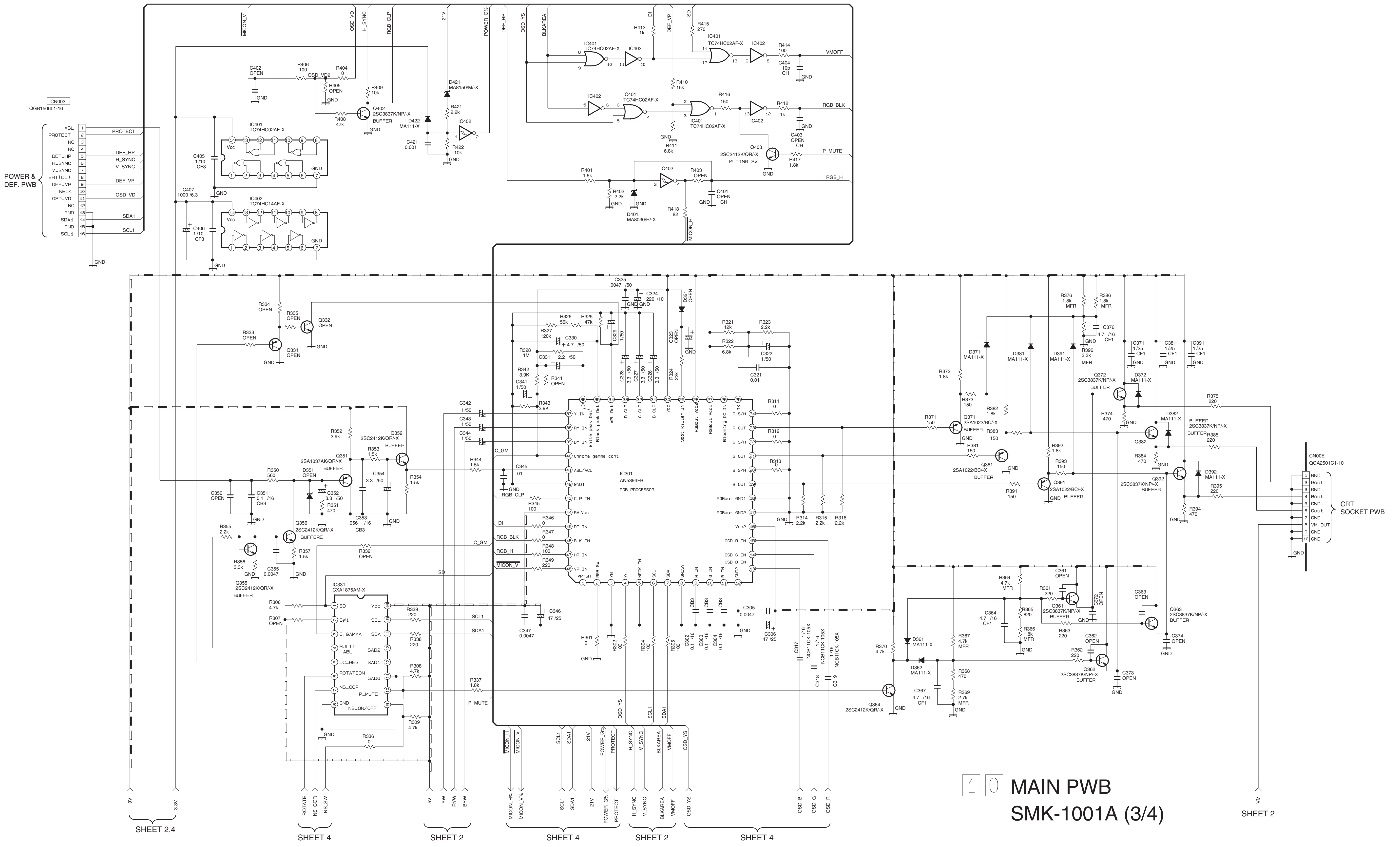
■ MAIN PWB CIRCUIT DIAGRAM (2/4) SHEET2

SHEET2


AV SW PWB
CN006
QGB1505J1-25
AV SW PWB
CN007
QGB1505J1-35
DIST PWB
CN005
QGC2507C1-96
SHEET 4
32V
ATT
SHEET 1
VTV1
M_MONO
M_SIF
PW_MUTE
D609
MA111-X
SHEET 4
HP_MUTE
SHEET 3
9V
3.3V
SHEET 4
5V
L201
QRN143J-0R0X
HP_L
HP_R
M_L
M_R
SHEET 1
SCL1
SDA1
SCL2
SDA2
A.MUTE
MSP_RES
TEXT_CV
SHEET 4
AFC2
AV_LINK
SC_YS2
IP_RST
IP_ERR
IC201-⑬,⑮
3.4 Vp-p (H)
IC201-㉒,㉓
3.0 Vp-p (H)
IC201-①,③
4.0 Vp-p (H)
IC201-②,④
5.0 Vp-p
IC202
TC7W08F-X
IC201
TA1318N
SYNC. SEP
X201
CSB503F30
IC101
AN15851A-W
YUV SW
IC908 PQ15RW11
3.4V REG
HS908
OPEN
Q101 2SC2412K/QR/-X BUFFER
Q102 2SC2412K/QR/-X BUFFER
Q103 2SC2412K/QR/-X BUFFER
Q111 2SC2412K/QR/-X BUFFER
Q112 2SC2412K/QR/-X BUFFER
Q113 2SC2412K/QR/-X BUFFER
SHEET 4
2.5V
SHEET 3
9V
3.3V
SHEET 4
5V
L431
QRN143J-0R0X
L432
QQL26AK-100Z
L433
QQL26AK-100Z
H_SYNC
V_SYNC
BLKAREA
VMOFF
YW
RYW
BYW
VM
SHEET 3
NR_Y
NR_RY
NR_BY
AD_Y
AD_RY
AD_BY
EXT4Y
EXT4RY
EXT4BY
IC201-⑥,㉝
1.0 Vp-p (H)
IC201-㉜
1.5 Vp-p (H)
IC201-㉛
1.5 Vp-p (H)
IC101-⑦
1.0 Vp-p (H)
IC101-⑧
1.0 Vp-p (H)
Q101-Ⓔ
1.8 Vp-p (H)
Q102-Ⓔ
1.8 Vp-p (H)
Q103-Ⓔ
1.8 Vp-p (H)
Q111-Ⓔ
1.8 Vp-p (H)
Q112-Ⓔ
1.8 Vp-p (H)
Q113-Ⓔ
1.8 Vp-p (H)

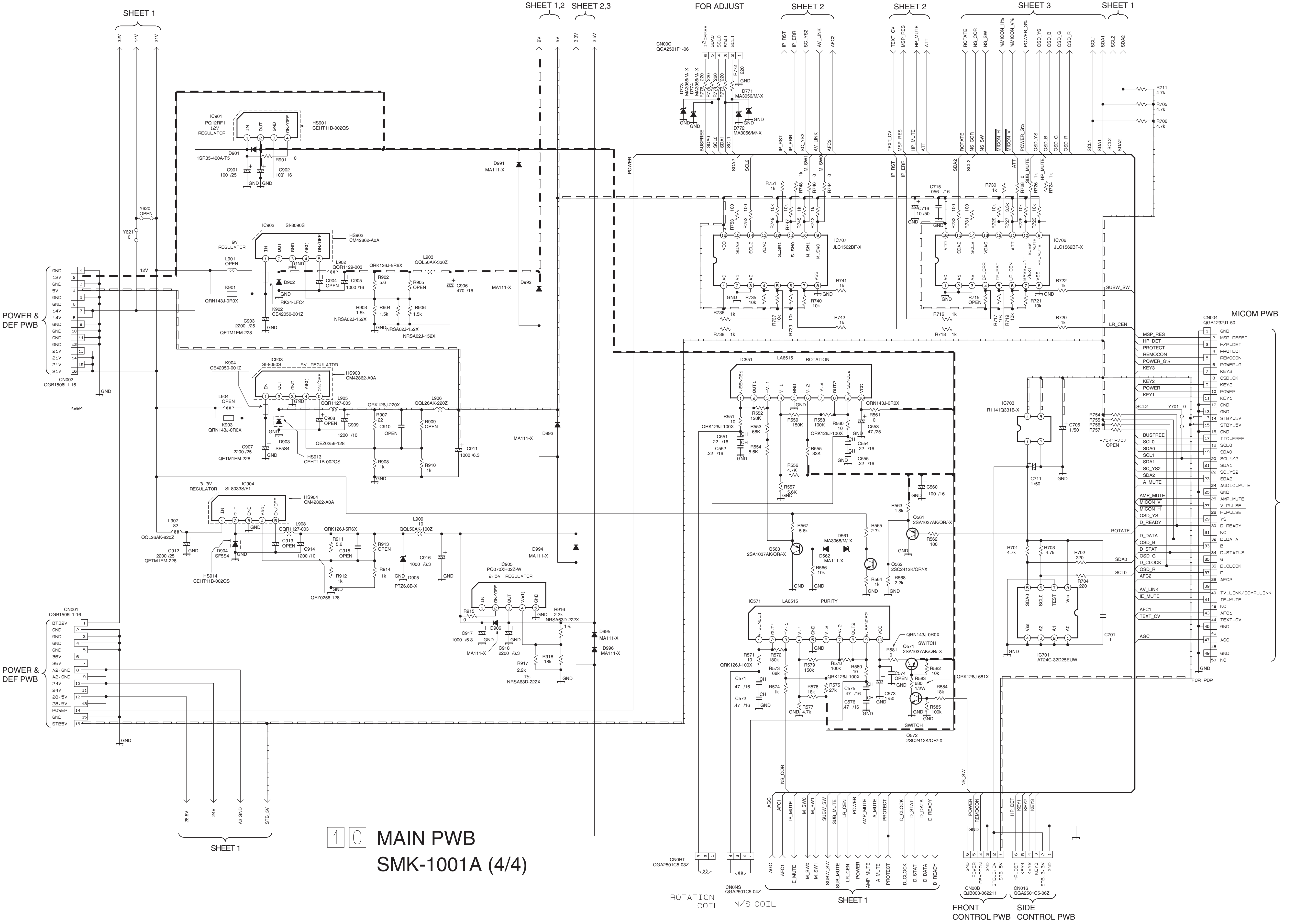
10 MAIN PWB
SMK-1001A (2/4)

■ MAIN PWB CIRCUIT DIAGRAM (3/4) SHEET3


CN003
QGB1506L1-16
POWER &
DEF. PWB
ABL
PROTECT
NC
DEF_HP
H_SYNC
V_SYNC
EHT[DC]
DEF_VP
NECK
OSD_VD
GND
SDA1
SCL1
MICON_V
OSD_VD
H_SYNC
RGB_CLP
21V
POWER_G%
DEF_HP
OSD_YS
BLKAREA
DI
DEF_VP
SD
IC401
TC74HC02AF-X
IC402
TC74HC14AF-X
Q402
2SC3837K/NP/-X
BUFFER
D421
MA8150/M/-X
D422
MA111-X
Q403
2SC2412K/QR/-X
MUTING SW
D401
MA8030/H/-X
VMOFF
RGB_BLK
P_MUTE
RGB_H
MICON_H
IC301
AN5394FB
RGB PROCESSOR
Y IN
RY IN
BY IN
Chroma gamma cont
ABL/ACL
GND1
CLP IN
5V Vcc
DI IN
BLK IN
HP IN
VP IN
R S/H
R OUT
G S/H
G OUT
B S/H
B OUT
RGBout GND1
RGBout GND2
Vcc2
OSD R IN
OSD G IN
OSD B IN
C_GM
RGB_CLP
RGB_BLK
RGB_H
MICON_V
IC331
CXA1875AM-X
SD
SW1
C.GAMMA
MULTI
ABL
DC_REG
ROTATION
NS_COR
GND
NS_ON/OFF
Vcc
SCL
SDA
SAD2
SAD1
SAD0
P_MUTE
Q331
Q332
Q351
2SA1037AK/QR/-X
Q352
2SC2412K/QR/-X
Q355
2SC2412K/QR/-X
Q356
2SC2412K/QR/-X
D351
Q371
2SA1022/BC/-X
Q372
2SC3837K/NP/-X
Q381
2SA1022/BC/-X
Q382
2SC3837K/NP/-X
Q391
2SA1022/BC/-X
Q392
2SC3837K/NP/-X
D371 MA111-X
D381 MA111-X
D391 MA111-X
D372 MA111-X
D382 MA111-X
D392 MA111-X
Q361
2SC3837K/NP/-X
Q362
2SC3837K/NP/-X
Q363
2SC3837K/NP/-X
Q364
2SC2412K/QR/-X
D361 MA111-X
D362 MA111-X
CN00E
QGA2501C1-10
GND
Rout
Bout
Gout
VM_OUT
CRT
SOCKET PWB
9V
3.3V
SHEET 2,4
ROTATE
NS_COR
NS_SW
SHEET 4
5V
YW
RYW
BYW
SHEET 2
MICON_H%
MICON_V%
SCL1
SDA1
21V
POWER_G%
PROTECT
SHEET 4
H_SYNC
V_SYNC
BLKAREA
VMOFF
SHEET 2
OSD_YS
OSD_B
OSD_G
OSD_R
SHEET 4
VM
SHEET 2
1 0 MAIN PWB
SMK-1001A (3/4)

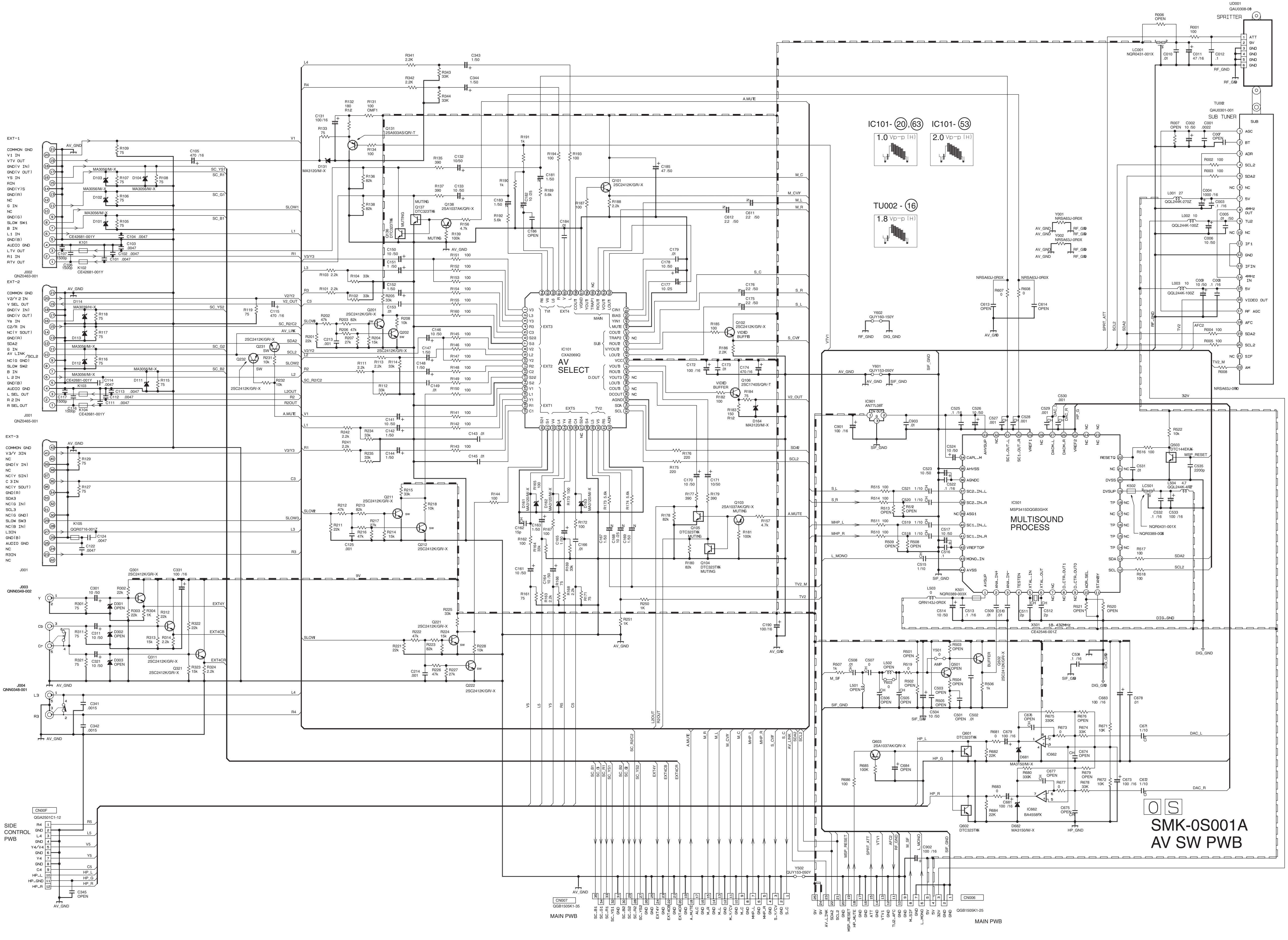
■ MAIN PWB CIRCUIT DIAGRAM (4/4) SHEET4

SHEET4

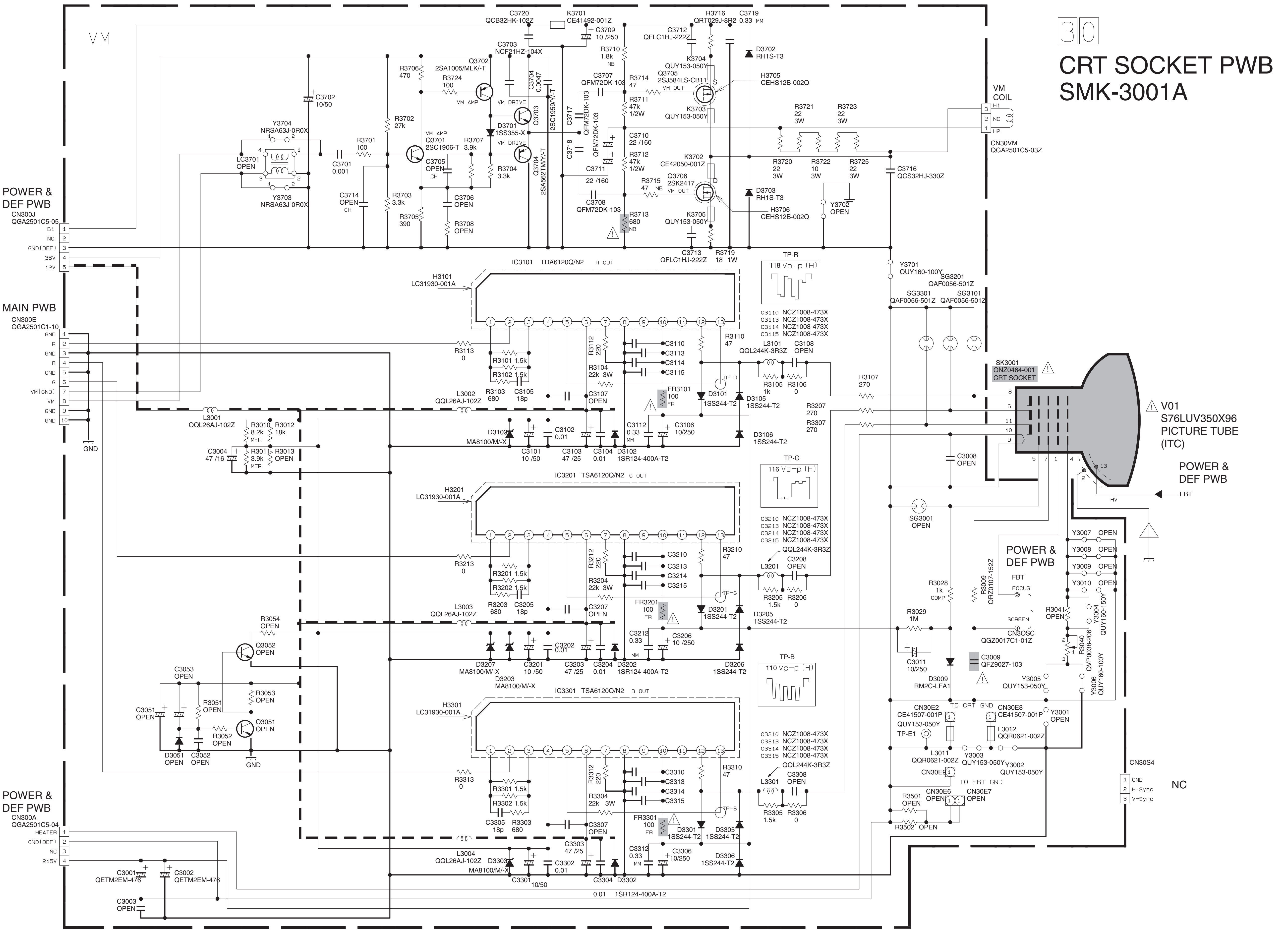

SHEET 1
SHEET 1,2
SHEET 2,3
FOR ADJUST
SHEET 2
SHEET 2
SHEET 3
SHEET 1
POWER & DEF PWB
CN002 QGB1506L1-16
POWER & DEF PWB
CN001 QGB1506L1-16
IC901 PQ12RF1 12V REGULATOR
HS901 CEHT11B-002QS
IC902 SI-8090S 9V REGULATOR
HS902 CM42862-A0A
IC903 SI-8050S 5V REGULATOR
HS903 CM42862-A0A
IC904 SI-8033S/F1 3.3V REGULATOR
HS904 CM42862-A0A
IC905 PQ070XH02Z-W 2.5V REGULATOR
IC707 JLC1562BF-X
IC706 JLC1562BF-X
IC551 LA6515 ROTATION
IC571 LA6515 PURITY
IC703 R1141Q331B-X
IC701 AT24C-32D25EUW
MICOM PWB
CN004 QGB1232J1-50
FOR PDP
CN00C QGA2501F1-06
CN0RT QGA2501C5-03Z
ROTATION COIL
CN0NS QGA2501C5-04Z
N/S COIL
CN00B QJB003-062211
FRONT CONTROL PWB
CN016 QGA2501C5-06Z
SIDE CONTROL PWB
SWITCH

10 MAIN PWB
SMK-1001A (4/4)

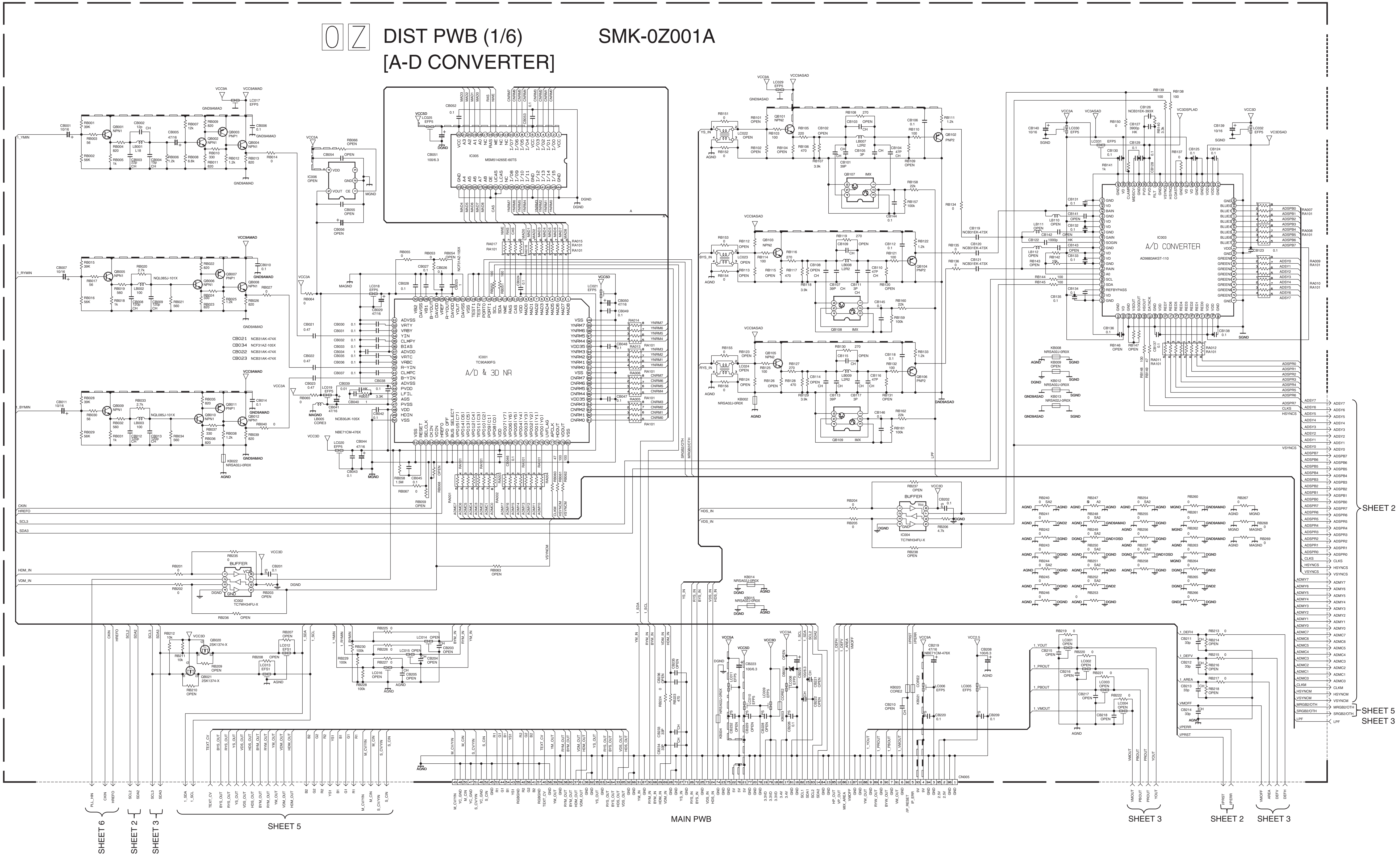
■ AV SW PWB CIRCUIT DIAGRAM


EXT-1
J002 QNZ0463-001
EXT-2
J001 QNZ0465-001
EXT-3
J001
J003 QNN0349-002
J004 QNN0348-001
SIDE CONTROL PWB
CN00F QGA2501C1-12
IC101 CXA2069Q
AV SELECT
IC101- ⑳, ㊸ 1.0 Vp-p (H)
IC101- ㊸ 2.0 Vp-p (H)
TU002 - ⑯ 1.8 Vp-p (H)
UD001 QAU0308-00 SPRITTER
TU002 QAU0301-001 SUB TUNER
IC501 MSP3410DQGB3GHX
MULTISOUND PROCESS
IC901 AN77L08T
IC662 BA4558FX
X501 18.432MHz
CN007 QGB1505K1-35
MAIN PWB
CN006 QGB1505K1-25
MAIN PWB
0S
SMK-0S001A
AV SW PWB

■ CRT SOCKET PWB CIRCUIT DIAGRAM

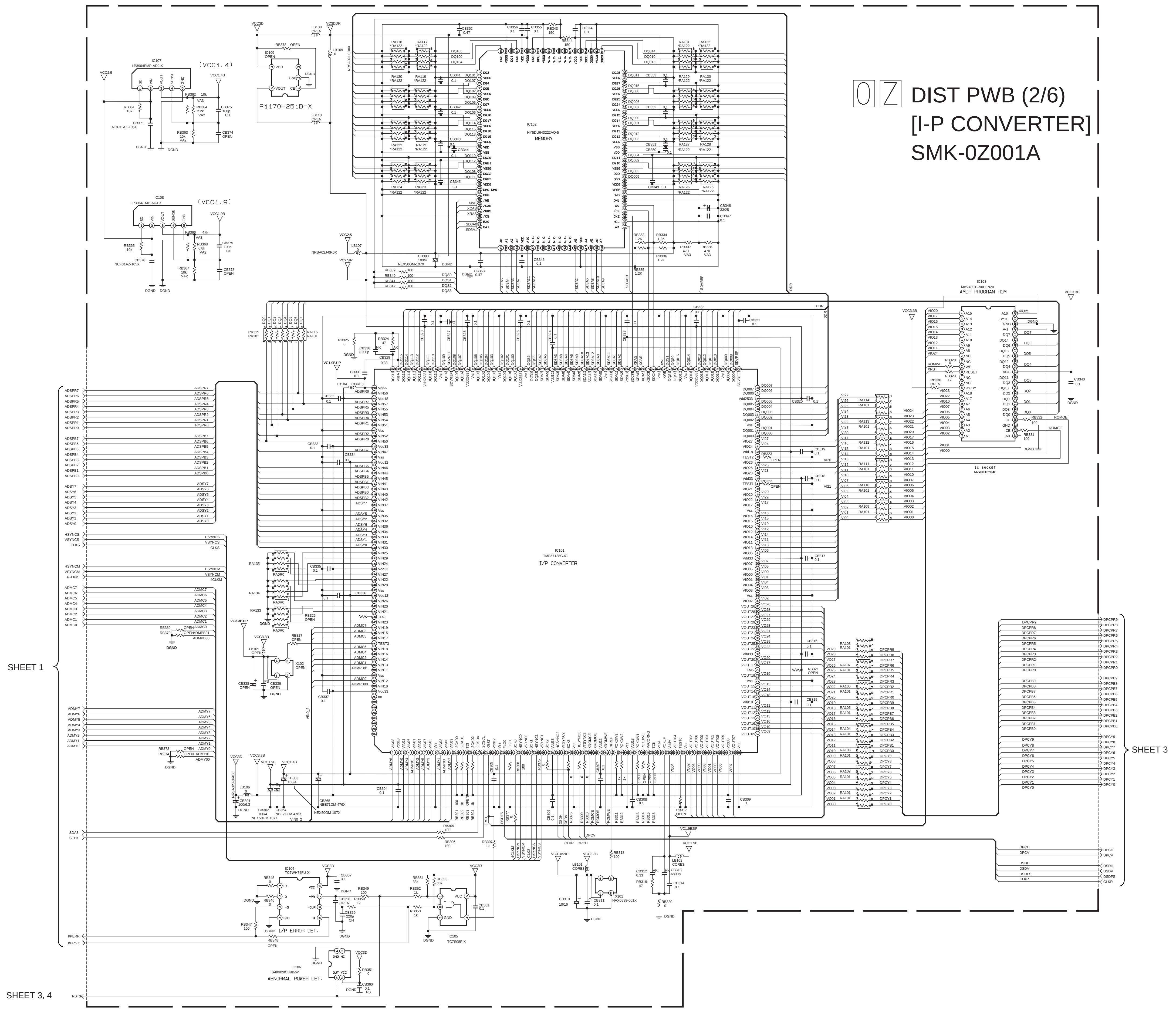

30
CRT SOCKET PWB
SMK-3001A
VM
POWER & DEF PWB
CN300J QGA2501C5-05
B1
NC
GND(DEF)
36V
12V
MAIN PWB
CN300E QGA2501C1-10
GND
R
GND
B
GND
G
VM(GND)
VM
GND
GND
GND
POWER & DEF PWB
CN300A QGA2501C5-04
HEATER
GND(DEF)
NC
215V
C3001 QETM2EM-476
C3002 QETM2EM-476
C3003 OPEN
C3720 QCB32HK-102Z
K3701 CE41492-001Z
C3709 10 /250
R3716 QRT029J-8R2
C3719 0.33 MM
C3712 QFLC1HJ-222Z
C3703 NCF21HZ-104X
Q3702 2SA1005/MLK/-T
R3706 470
R3724 100
VM AMP
C3704 0.0047
Q3703 2SC1959/Y/-T
VM DRIVE
C3702 10/50
Y3704 NRSA63J-0R0X
R3702 27k
D3701 1SS355-X
R3701 100
Q3701 2SC1906-T
R3707 3.9k
LC3701 OPEN
C3701 0.001
C3705 OPEN CH
R3704 3.3k
Q3704 2SA562TM/Y/-T
Y3703 NRSA63J-0R0X
C3714 OPEN CH
R3703 3.3k
C3706 OPEN
R3705 390
R3708 OPEN
C3717
C3718
R3710 1.8k NB
C3707 QFM72DK-103
QFM72DK-103
R3714 47
R3711 47k 1/2W
C3710 22 /160
C3711 22 /160
R3712 47k 1/2W
R3715 47 NB
C3708 QFM72DK-103
R3713 680 NB
K3704 QUY153-050Y
Q3705 2SJ584LS-CB11
VM OUT
K3703 QUY153-050Y
K3702 CE42050-001Z
Q3706 2SK2417
K3705 QUY153-050Y
C3713 QFLC1HJ-222Z
R3719 18 1W
D3702 RH1S-T3
H3705 CEHS12B-002Q
D3703 RH1S-T3
H3706 CEHS12B-002Q
R3721 22 3W
R3723 22 3W
R3720 22 3W
R3722 10 3W
R3725 22 3W
C3716 QCS32HJ-330Z
Y3702 OPEN
VM COIL
H1
NC
H2
CN30VM QGA2501C5-03Z
Y3701 QUY160-100Y
SG3201 QAF0056-501Z
SG3301 QAF0056-501Z
SG3101 QAF0056-501Z
IC3101 TDA6120Q/N2 R OUT
H3101 LC31930-001A
TP-R
118 Vp-p (H)
C3110 NCZ1008-473X
C3113 NCZ1008-473X
C3114 NCZ1008-473X
C3115 NCZ1008-473X
R3110 47
L3101 QQL244K-3R3Z
C3108 OPEN
R3113 0
R3101 1.5k
R3102 1.5k
R3112 220
R3104 22k 3W
R3103 680
C3105 18p
C3107 OPEN
FR3101 100 FR
D3101 1SS244-T2
D3105 1SS244-T2
R3105 1k
R3106 0
R3107 270
L3002 QQL26AJ-102Z
L3001 QQL26AJ-102Z
R3010 8.2k MFR
R3012 18k
C3004 47 /16
R3011 3.9k MFR
R3013 OPEN
D3103 MA8100/M/-X
C3102 0.01
C3101 10 /50
C3103 47 /25
C3104 0.01
D3102 1SR124-400A-T2
C3112 0.33 MM
C3106 10/250
D3106 1SS244-T2
SK3001 QNZ0464-001 CRT SOCKET
R3207 270
R3307 270
V01 S76LUV350X96 PICTURE TUBE (ITC)
C3008 OPEN
POWER & DEF PWB
FBT
HV
IC3201 TSA6120Q/N2 G OUT
H3201 LC31930-001A
TP-G
116 Vp-p (H)
C3210 NCZ1008-473X
C3213 NCZ1008-473X
C3214 NCZ1008-473X
C3215 NCZ1008-473X
R3210 47
QQL244K-3R3Z
L3201
C3208 OPEN
R3213 0
R3201 1.5k
R3202 1.5k
R3212 220
R3204 22k 3W
R3203 680
C3205 18p
C3207 OPEN
FR3201 100 FR
D3201 1SS244-T2
D3205 1SS244-T2
R3205 1.5k
R3206 0
L3003 QQL26AJ-102Z
R3054 OPEN
Q3052 OPEN
C3053 OPEN
R3053 OPEN
C3051 OPEN
R3051 OPEN
Q3051 OPEN
R3052 OPEN
D3051 OPEN
C3052 OPEN
GND
D3207 MA8100/M/-X
C3201 10 /50
C3203 47 /25
C3204 0.01
D3202 1SR124-400A-T2
D3203 MA8100/M/-X
C3202 0.01
C3212 0.33 MM
C3206 10 /250
D3206 1SS244-T2
TP-B
110 Vp-p (H)
IC3301 TSA6120Q/N2 B OUT
H3301 LC31930-001A
C3310 NCZ1008-473X
C3313 NCZ1008-473X
C3314 NCZ1008-473X
C3315 NCZ1008-473X
QQL244K-3R3Z
R3310 47
L3301
C3308 OPEN
R3313 0
R3301 1.5k
R3302 1.5k
R3312 220
R3304 22k 3W
C3305 18p
R3303 680
C3307 OPEN
FR3301 100 FR
D3301 1SS244-T2
D3305 1SS244-T2
R3305 1.5k
R3306 0
L3004 QQL26AJ-102Z
D3303 MA8100/M/-X
C3303 47 /25
C3302 0.01
C3301 10/50
C3304 0.01
D3302 1SR124-400A-T2
C3312 0.33 MM
C3306 10/250
D3306 1SS244-T2
SG3001 OPEN
Y3007 OPEN
Y3008 OPEN
Y3009 OPEN
Y3010 OPEN
POWER & DEF PWB
FBT
FOCUS
SCREEN
CN30SC QGZ0017C1-01Z
R3028 1k COMP
R3009 QRZ0107-152Z
R3029 1M
R3041 OPEN
Y3004 QUY160-150Y
R3040 QVP0038-206
C3011 10/250
D3009 RM2C-LFA1
C3009 QFZ9027-103
Y3005 QUY153-050Y
Y3006 QUY160-100Y
CN30E2 CE41507-001P
QUY153-050Y
TO CRT GND
CN30E8 CE41507-001P
TP-E1
L3012 QQR0621-002Z
Y3001 OPEN
L3011 QQR0621-002Z
Y3003 QUY153-050Y
Y3002 QUY153-050Y
CN30E5
TO FBT GND
R3501 OPEN
CN30E6 OPEN
CN30E7 OPEN
R3502 OPEN
CN30S4
GND
H-Sync
V-Sync
NC

■ DIST PWB CIRCUIT DIAGRAM (1/6) SHEET1


0Z
DIST PWB (1/6)
[A-D CONVERTER]
SMK-0Z001A
IC005
MSM514265E-60TS
IC006
IC001
TC90A90FG
A/D & 3D NR
IC003
A/D CONVERTER
AD9883AKST-110
IC002
TC7WH34FU-X
BUFFER
IC004
TC7WH34FU-X
BUFFER
QB107 IMX
QB108 IMX
QB109 IMX
CB021 NCB31AK-474X
CB034 NCF31AZ-105X
CB022 NCB31AK-474X
CB023 NCB31AK-474X
1_YMIN
1_RYMIN
1_BYMIN
CKIN
HREFO
SCL3
SDA3
HDM_IN
VDM_IN
YS_IN
RYS_IN
BYS_IN
HDS_IN
VDS_IN
CN005
SHEET 2
SHEET 5
SHEET 3
SHEET 6
SHEET 2
SHEET 3
SHEET 5
MAIN PWB
SHEET 3
SHEET 2
SHEET 3

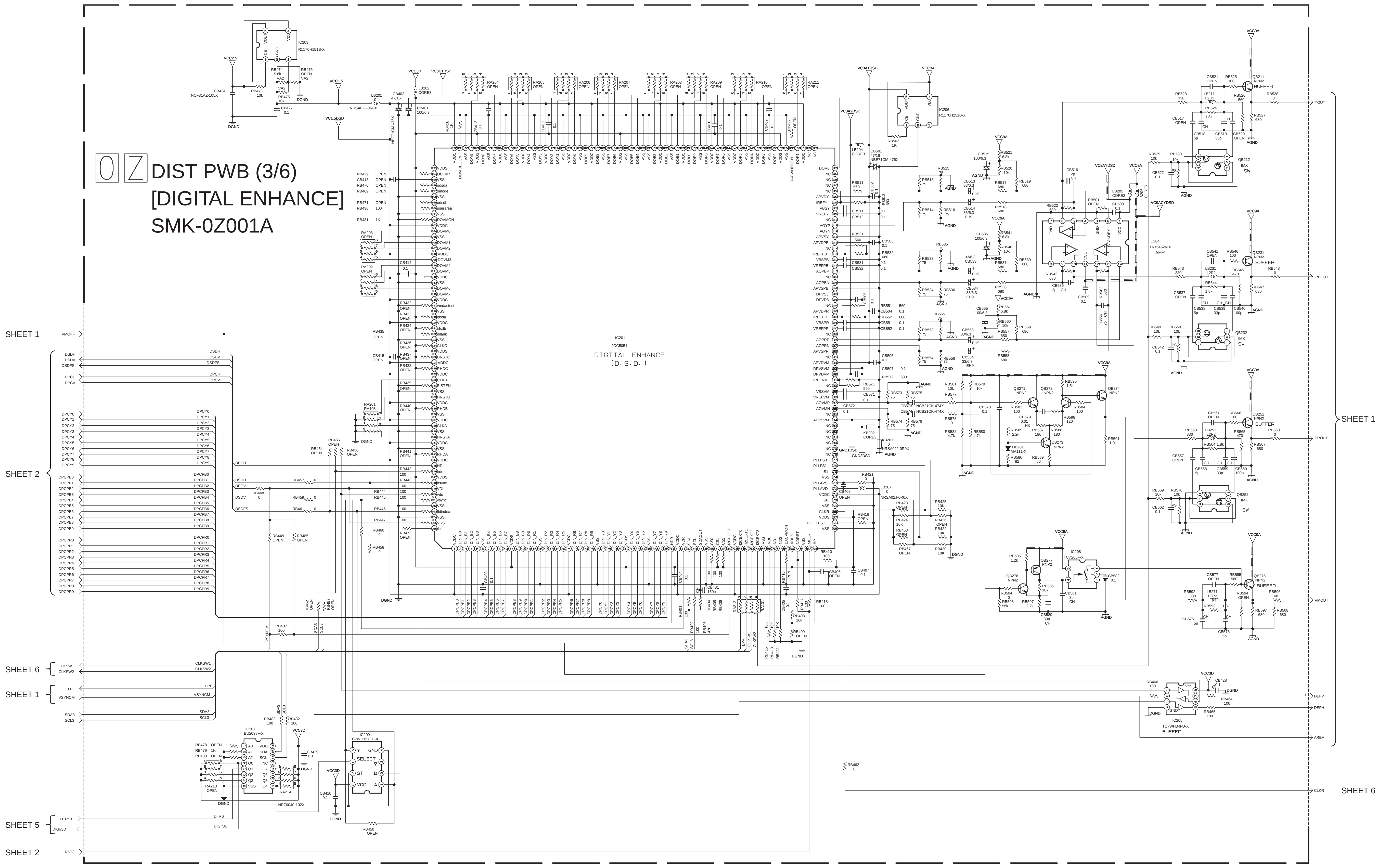
■ DIST PWB CIRCUIT DIAGRAM (2/6) SHEET2

SHEET2


IC107
LP3964EMP-ADJ-X
(VCC1.4)
IC108
LP3964EMP-ADJ-X
(VCC1.9)
IC109
R1170H251B-X
IC102
HY5DU643222AQ-5
MEMORY
IC101
TMS57128GJG
I/P CONVERTER
IC103
MBM29LV400TC90PFN20
AMDIP PROGRAM ROM
IC SOCKET
IC104
TC7WH74FU-X
I/P ERROR DET.
IC105
TC7S08F-X
IC106
S-80828CLNB-W
ABNORMAL POWER DET.
X101
NAX0539-001X
SHEET 1
SHEET 3
SHEET 3, 4

0Z DIST PWB (2/6)
[I-P CONVERTER]
SMK-0Z001A

■ DIST PWB CIRCUIT DIAGRAM (3/6) SHEET3

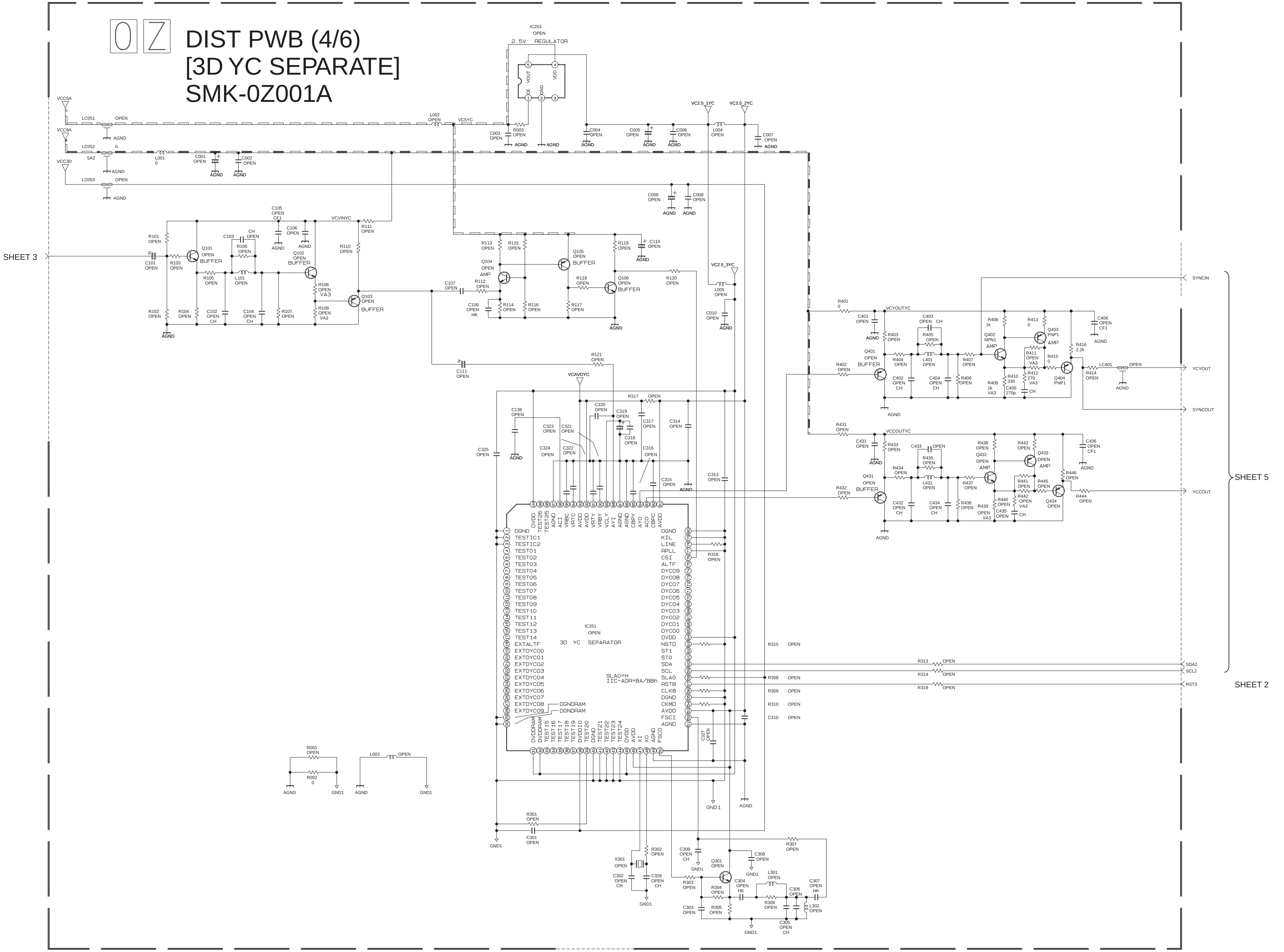


0Z DIST PWB (3/6)
[DIGITAL ENHANCE]
SMK-0Z001A

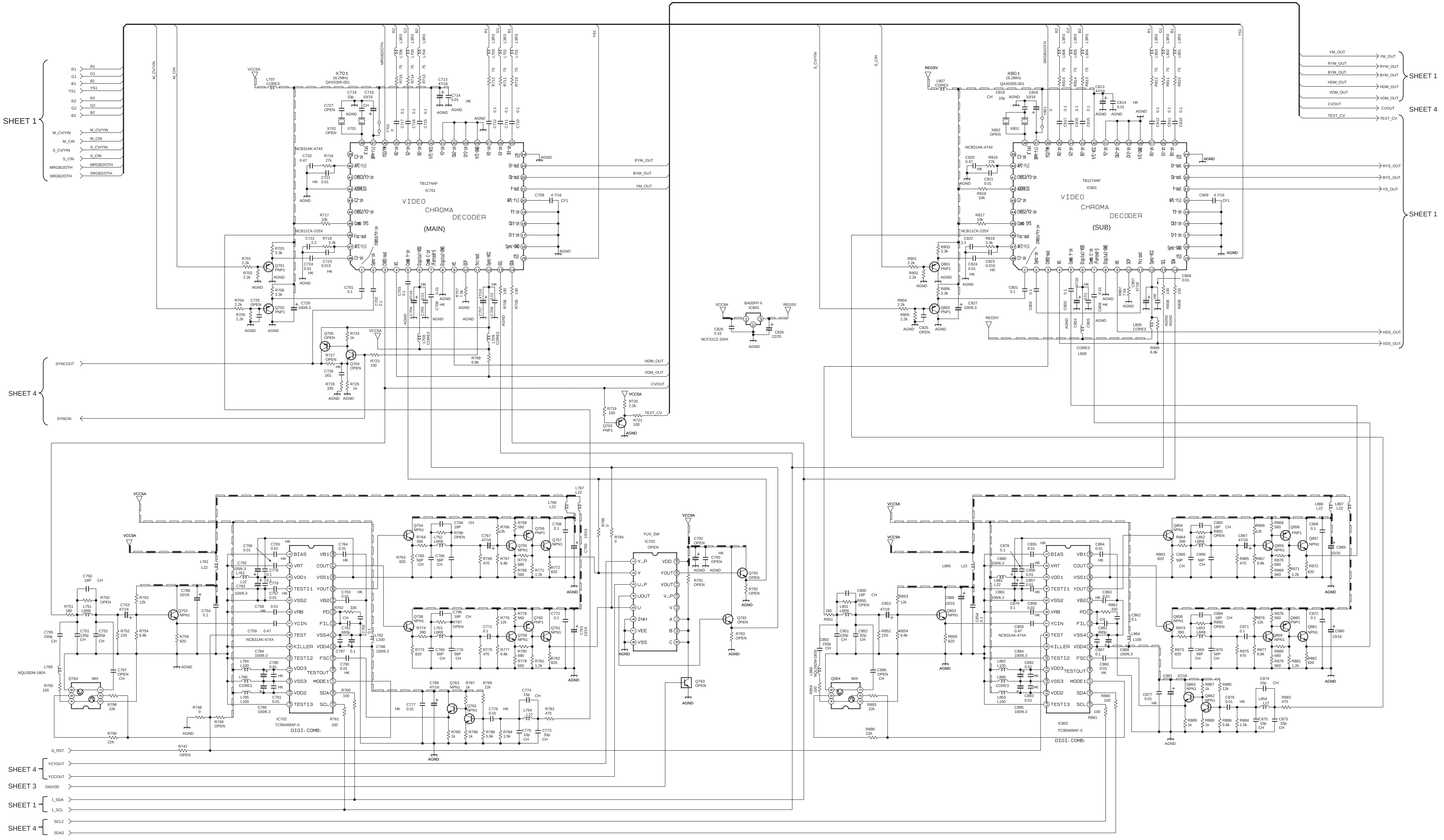
IC201
JCC5054
DIGITAL ENHANCE
(D.S.D.)
IC203
R1170H151B-X
IC206
R1170H251B-X
IC204
TK15452V-X
AMP
IC205
TC7WH34FU-X
BUFFER
IC207
BU2098F-X
IC208
TC7S66F-X
IC209
TC7WH157FU-X
QB211 NPN2 BUFFER
QB231 NPN2 BUFFER
QB251 NPN2 BUFFER
QB275 NPN2 BUFFER
QB212 IMX SW
QB232 IMX SW
QB252 IMX SW
QB271 NPN2
QB272 NPN2
QB273 NPN2
QB274 NPN2
QB276 NPN2
QB277 PNP2
DB201 MA111-X
VCC2.5
VCC1.5
VCC3D
VC3D1DSD
VC1.5DSD
VC3A1DSD
VC3A2DSD
VCC3A
VCC9A
VC9AYDSD
VC9ACYDSD
DGND
AGND
GND1DSD
GND2DSD
YOUT
PBOUT
PROUT
VMOUT
DEFV
DEFH
AREA
CLKR
SHEET 1
VMOFF
DSDH
DSDV
DSDFS
DPCH
DPCV
DPCY0
DPCY1
DPCY2
DPCY3
DPCY4
DPCY5
DPCY6
DPCY7
DPCY8
DPCY9
SHEET 2
DPCPB0
DPCPB1
DPCPB2
DPCPB3
DPCPB4
DPCPB5
DPCPB6
DPCPB7
DPCPB8
DPCPB9
DPCPR0
DPCPR1
DPCPR2
DPCPR3
DPCPR4
DPCPR5
DPCPR6
DPCPR7
DPCPR8
DPCPR9
SHEET 6
CLKSW1
CLKSW2
SHEET 1
LPF
VSYNCM
SDA3
SCL3
SHEET 5
D_RST
DIGI/3D
SHEET 2
RST3
SHEET 1
SHEET 6

■ DIST PWB CIRCUIT DIAGRAM (4/6) SHEET4

SHEET4


0Z
DIST PWB (4/6)
[3D YC SEPARATE]
SMK-0Z001A
IC253
OPEN
2.5V REGULATOR
VOUT
VDD
CE
GND
VCC5A
VCC9A
VCC3D
LC051
LC052
LC053
SA2
L001
L002
VC5YC
VCVINYC
VC2.5_1YC
VC2.5_2YC
VC2.5_3YC
VCYOUTYC
VCCOUTYC
VCAVDYC
AGND
GND1
SHEET 3
Q101
BUFFER
Q102
BUFFER
Q103
BUFFER
Q104
AMP
Q105
BUFFER
Q106
BUFFER
Q401
BUFFER
Q402
NPN1
AMP
Q403
PNP1
AMP
Q404
PNP1
Q431
BUFFER
Q432
AMP
Q433
AMP
Q434
Q301
X301
IC251
OPEN
3D YC SEPARATOR
SLA0=H
IIC-ADR=BA/BBh
DGND
TESTIC1
TESTIC2
TEST01
TEST02
TEST03
TEST04
TEST05
TEST06
TEST07
TEST08
TEST09
TEST10
TEST11
TEST12
TEST13
TEST14
EXTALTF
EXTDYCO0
EXTDYCO1
EXTDYCO2
EXTDYCO3
EXTDYCO4
EXTDYCO5
EXTDYCO6
EXTDYCO7
EXTDYCO8
EXTDYCO9
DGNDRAM
DGNDRAM
KIL
LINE
APLL
CSI
ALTF
DYCO9
DYCO8
DYCO7
DYCO6
DYCO5
DYCO4
DYCO3
DYCO2
DYCO1
DYCO0
DVDD
NSTD
ST1
ST0
SDA
SCL
SLA0
RSTB
CLK8
DGND
CKMD
AVDD
FSCI
AGND
DVDD
TEST26
TEST25
AGND
ACI
VRBC
VRTC
AVDD
VRTY
VRBY
VCLY
AYI
AGND
CBPY
AYO
ACO
CBPC
AVDD
DVDDRAM
DVDDRAM
TEST15
TEST16
TEST17
TEST19
DVDD10
TEST20
DGND
TEST21
TEST22
TEST23
TEST24
DVDD
AVDD
XI
XO
AGND
FSCO
R315 OPEN
R308 OPEN
R309 OPEN
R310 OPEN
C310 OPEN
R313 OPEN
R314 OPEN
R319 OPEN
SYNCIN
YCYOUT
SYNCOUT
YCCOUT
SDA2
SCL2
RST3
SHEET 5
SHEET 2
R001
OPEN
R002
0
L003
OPEN

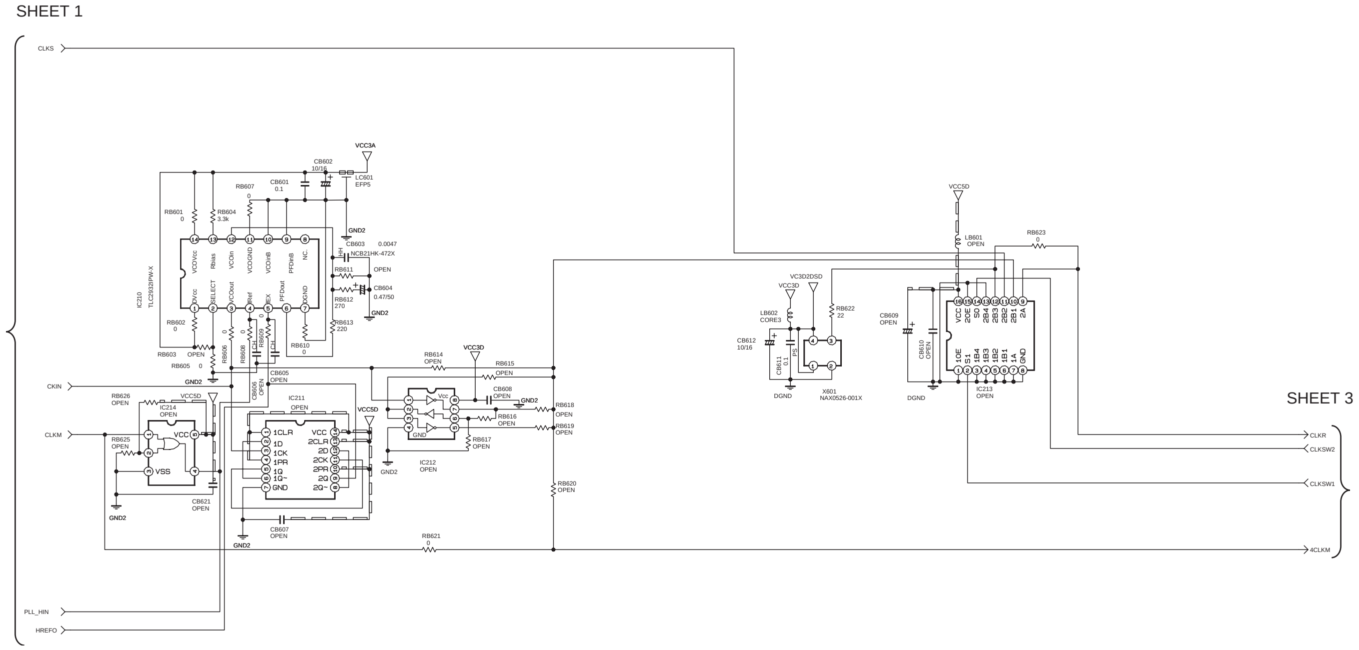
■ DIST PWB CIRCUIT DIAGRAM (5/6) SHEET5


SHEET 1
R1
G1
B1
YS1
R2
G2
B2
M_CVIYIN
M_CIN
S_CVIYIN
S_CIN
MRGB2/OTH
SRGB2/OTH
X701
16.2MHz
QAX0305-001
X801
VCC5A
REG5V
TB1274AF
IC701
VIDEO CHROMA DECODER
(MAIN)
IC801
(SUB)
RYM_OUT
BYM_OUT
YM_OUT
HDM_OUT
VDM_OUT
CVOUT
TEXT_CV
RYS_OUT
BYS_OUT
YS_OUT
HDS_OUT
VDS_OUT
SHEET 4
SYNCOUT
SYNCIN
BA05FP-X
IC803
NCF31CZ-334X
YUV_SW
IC703
AGND
IC702
TC90A69AF-X
DIGI.COMB.
IC802
TC90A69AF-X
DIGI.COMB.
BIAS
VRT
VDD1
TESTI1
VSS2
VRB
YCIN
TEST
KILLER
TESTI2
VDD3
VSS3
VDD2
TESTI3
VB1
COUT
VSS1
YOUT
VB2
PD
FIL
VSS4
VDD4
FSC
MODE1
SDA
SCL
TESTOUT
Q764
Q864
IMX
D_RST
YCYOUT
YCCOUT
DIGI/3D
1_SDA
1_SCL
SCL2
SDA2
SHEET 3

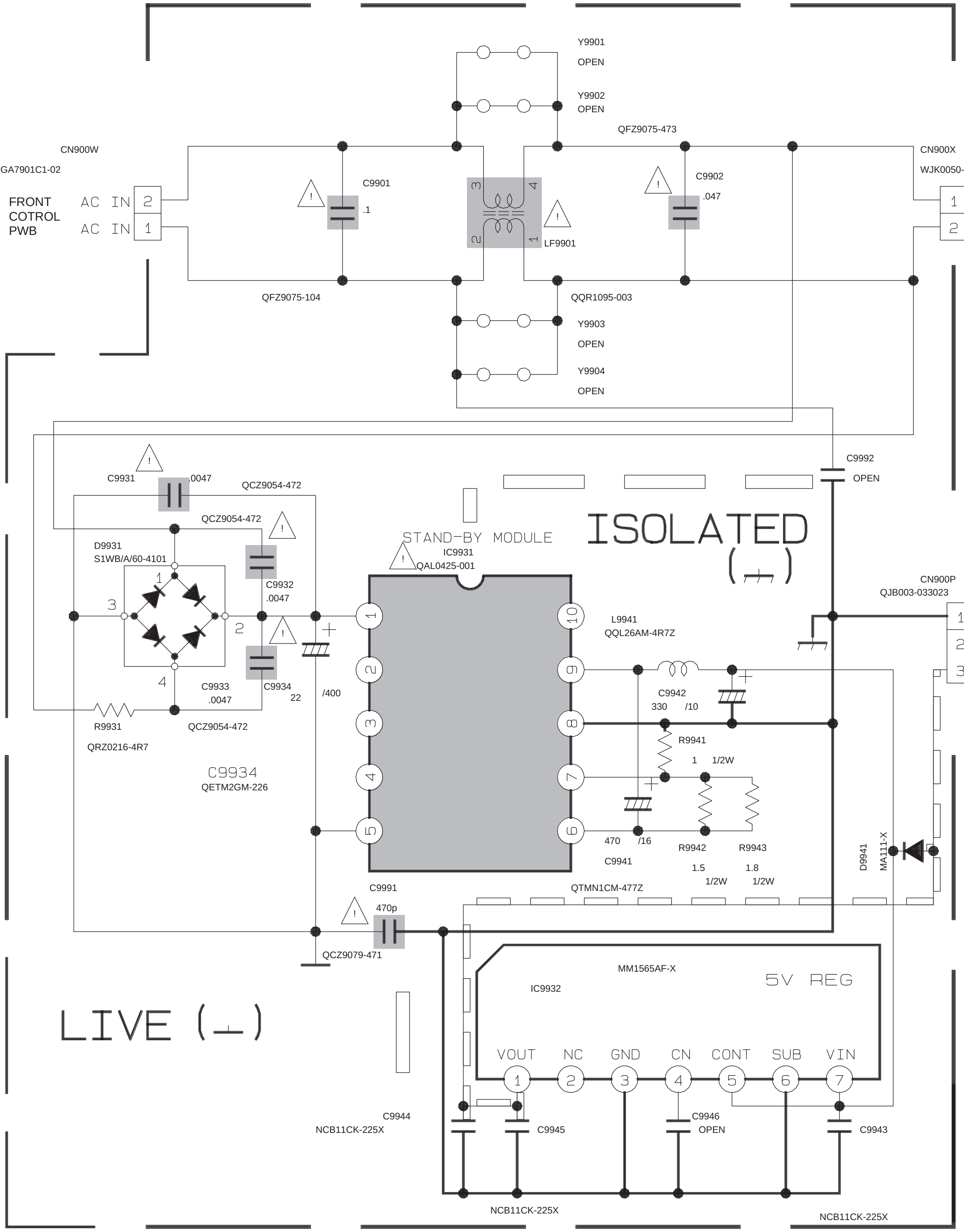
0 Z DIST PWB (5/6)
[VIDEO/CHROMA DECODER]
SMK-0Z001A

■ DIST PWB CIRCUIT DIAGRAM (6/6) SHEET6 SHEET6

0Z DIST PWB (6/6)
[H_PLL]
SMK-0Z001A

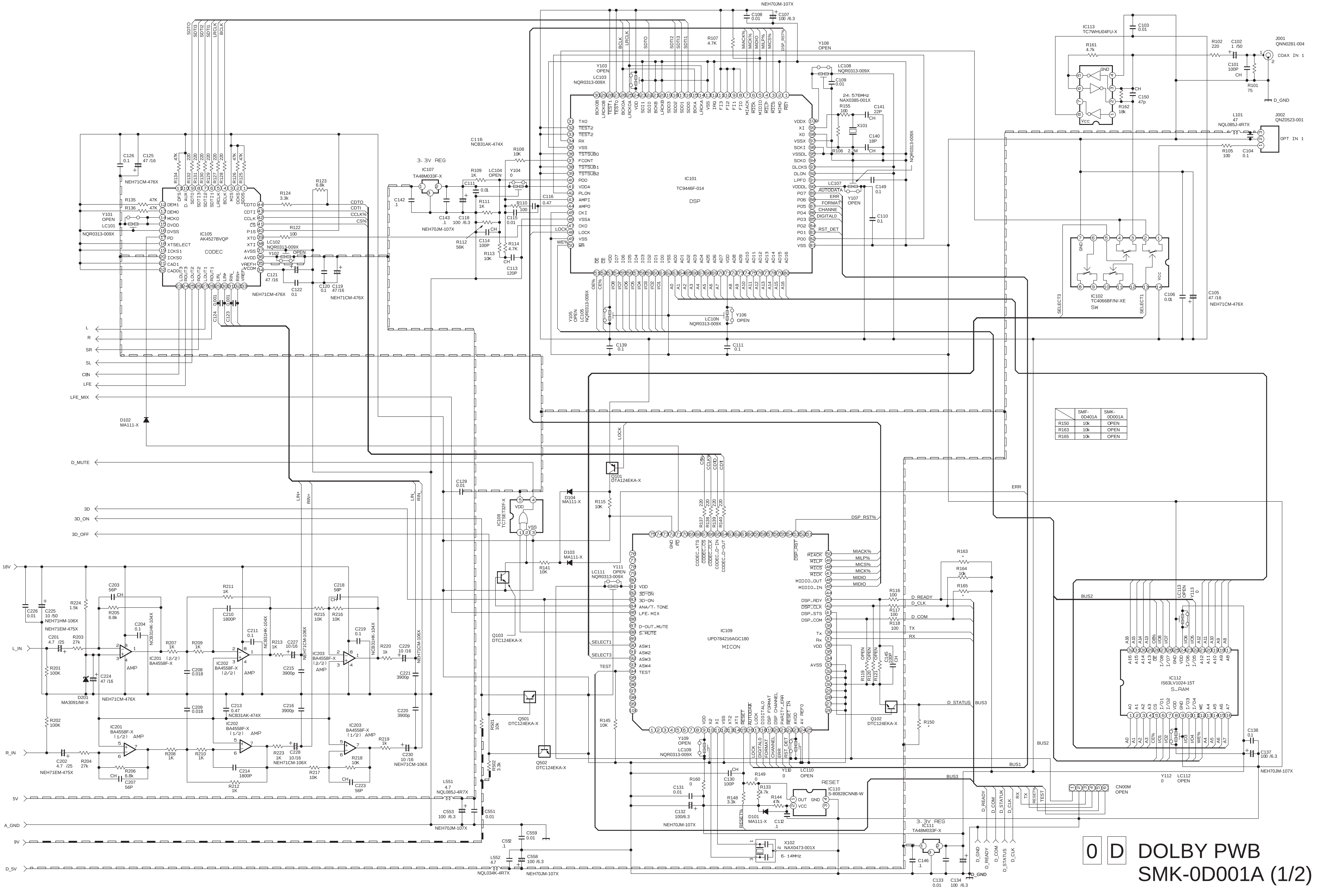

SHEET 1
CLKS
CKIN
CLKM
PLL_HIN
HREFO
VCC3A
VCC5D
VCC3D
IC210
TC2032RW-X
IC211
IC212
IC213
IC214
X601
NAX0526-001X
DGND
GND2
SHEET 3
CLKR
CLKSW2
CLKSW1
fCLKM

■ LINE FILTER PWB CIRCUIT DIAGRAM


Y9901
OPEN
Y9902
OPEN
QFZ9075-473
POWER &
DEF. PWB
CN900W
CN900X
QGA7901C1-02
WJK0050-005A
C9901
.1
C9902
.047
FRONT
COTROL
PWB
AC IN 2
AC IN 1
1 AC OUT
2 AC OUT
LF9901
QFZ9075-104
QQR1095-003
Y9903
OPEN
Y9904
OPEN
C9992
OPEN
C9931
.0047
QCZ9054-472
QCZ9054-472
ISOLATED
STAND-BY MODULE
IC9931
QAL0425-001
D9931
S1WB/A/60-4101
C9932
.0047
POWER &
DEF. PWB
CN900P
QJB003-033023
1 GND
2 NC
3 STB5V
L9941
QQL26AM-4R7Z
C9933
.0047
C9934
22
/400
C9942
330 /10
R9941
1 1/2W
R9931
QRZ0216-4R7
QCZ9054-472
C9934
QETM2GM-226
470 /16
C9941
R9942
1.5
1/2W
R9943
1.8
1/2W
QTMN1CM-477Z
D9941
MA111-X
C9991
470p
QCZ9079-471
MM1565AF-X
IC9932
5V REG
LIVE
VOUT 1
NC 2
GND 3
CN 4
CONT 5
SUB 6
VIN 7
C9944
NCB11CK-225X
C9945
C9946
OPEN
C9943
NCB11CK-225X
NCB11CK-225X

9 0 LINE FILTER PWB
SMK-9001A

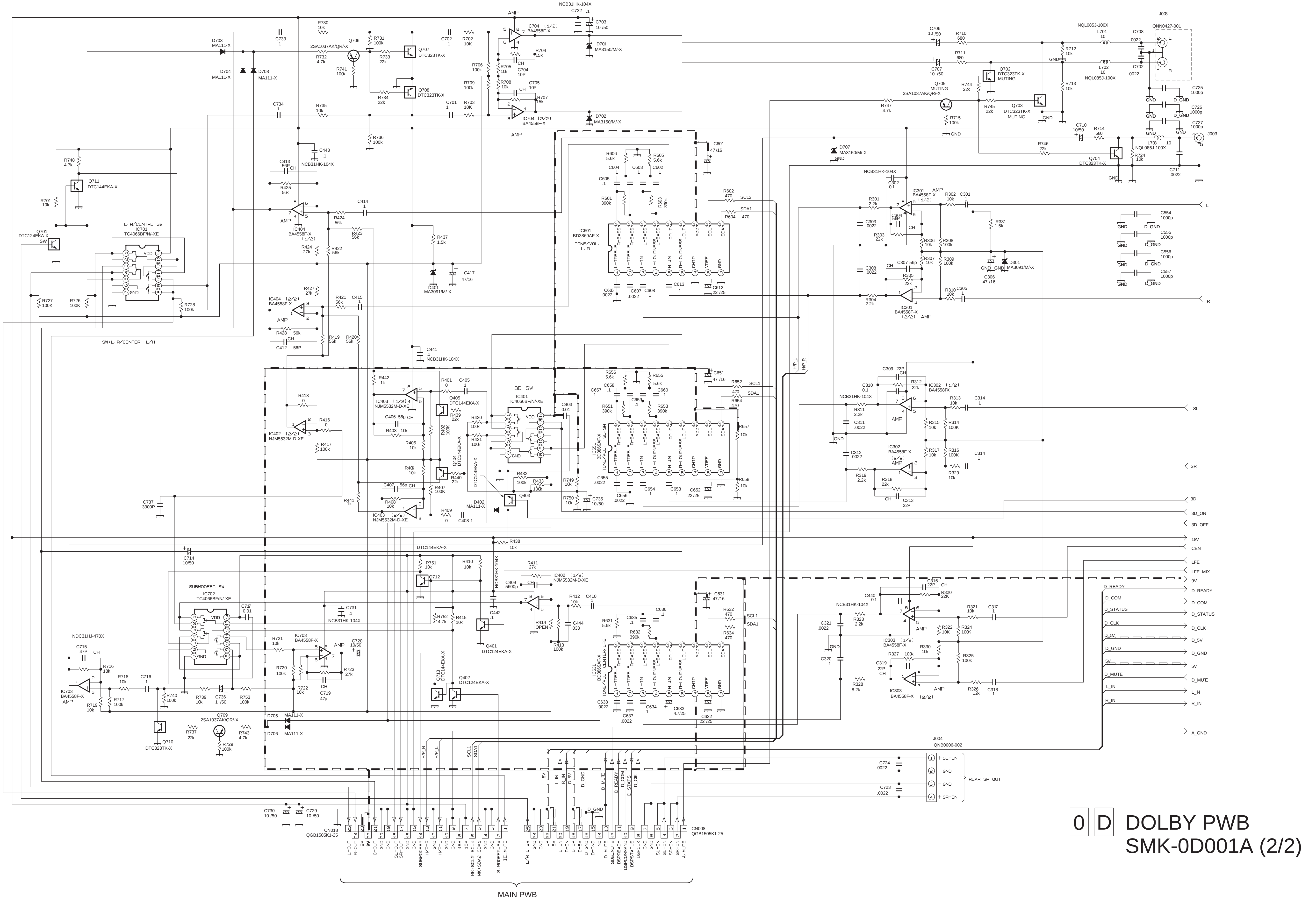
■ DOLBY PWB CIRCUIT DIAGRAM (1/2)


IC101
TC9446F-014
DSP
IC105
AK4527BVQP
CODEC
IC107
TA48M033F-X
3.3V REG
IC109
UPD784216AGC180
MICON
IC102
TC4066BF/N/-XE
SW
IC112
IS63LV1024-15T
S_RAM
IC113
TC7WHU04FU-X
IC110
S-80828CNNB-W
RESET
IC111
TA48M033F-X
3.3V REG
IC108
TC7SET32F-X
IC201
BA4558F-X
IC202
BA4558F-X
IC203
BA4558F-X
AMP
X101
24.576MHz
NAX0385-001X
X102
NAX0473-001X
6.14MHz
J001
QNN0281-004
COAX IN 1
J002
QNZ0523-001
OPT IN 1
CN00M
OPEN
Q101
DTA124EKA-X
Q102
DTC124EKA-X
Q103
DTC124EKA-X
Q501
DTC124EKA-X
Q502
DTC124EKA-X
D101
MA111-X
D102
MA111-X
D103
MA111-X
D104
MA111-X
D201
MA3091/M/-X
L
R
SR
SL
CEN
LFE
LFE_MIX
D_MUTE
3D
3D_ON
3D_OFF
18V
L_IN
R_IN
5V
A_GND
9V
D_5V
D_GND
ERR
DSP_RST%
D_READY
D_CLK
D_COM
D_STATUS
TX
RX
BUS1
BUS2
BUS3
SELECT1
SELECT3
TEST
LOCK

	SMF-0D401A	SMK-0D001A
R150	10k	OPEN
R163	10k	OPEN
R165	10k	OPEN

0 D DOLBY PWB
SMK-0D001A (1/2)

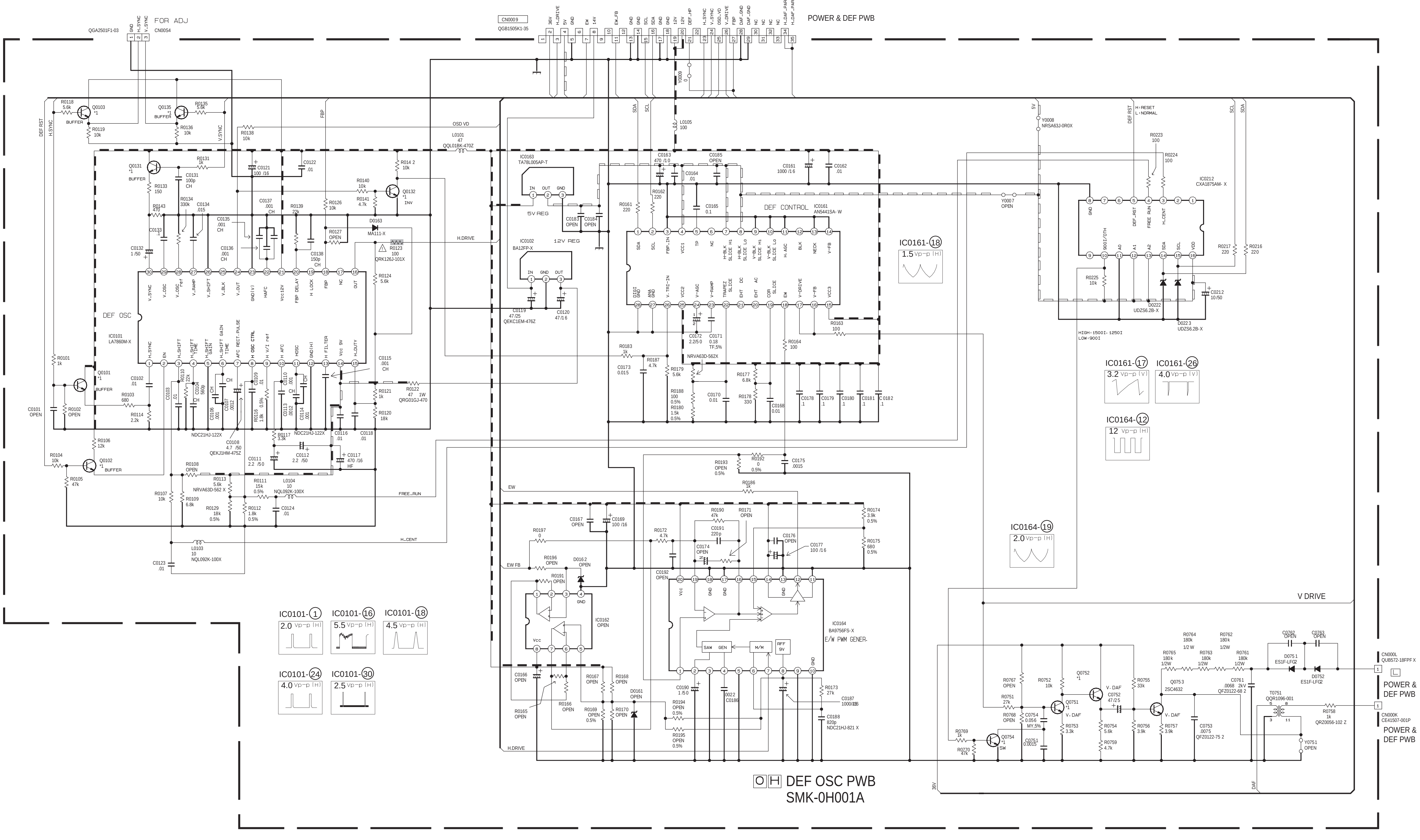
■ DOLBY PWB CIRCUIT DIAGRAM (2/2)


IC704 BA4558F-X
IC701 TC4066BF/N/-XE
L-R/CENTRE SW
SW-L-R/CENTER L/H
IC404 BA4558F-X
IC601 BD3869AF-X
TONE/VOL. L-R
IC651 BD3869AF-X
TONE/VOL. SL-SR
IC631 BD3869AF-X
TONE/VOL. CENTER-LFE
IC401 TC4066BF/N/-XE
3D SW
IC403 NJM5532M-D-XE
IC402 NJM5532M-D-XE
IC702 TC4066BF/N/-XE
SUBWOOFER SW
IC703 BA4558F-X
IC301 BA4558F-X
IC302 BA4558FX
IC303 BA4558F-X
J003 QNN0427-001
J004 QNB0006-002
REAR SP OUT
+ SL-IN
GND
– GND
+ SR-IN
CN018 QGB1505K1-25
CN008 QGB1505K1-25
MAIN PWB
L
R
SL
SR
3D
3D_ON
3D_OFF
18V
CEN
LFE
LFE_MIX
9V
D_READY
D_COM
D_STATUS
D_CLK
D_5V
D_GND
5V
D_MUTE
L_IN
R_IN
A_GND

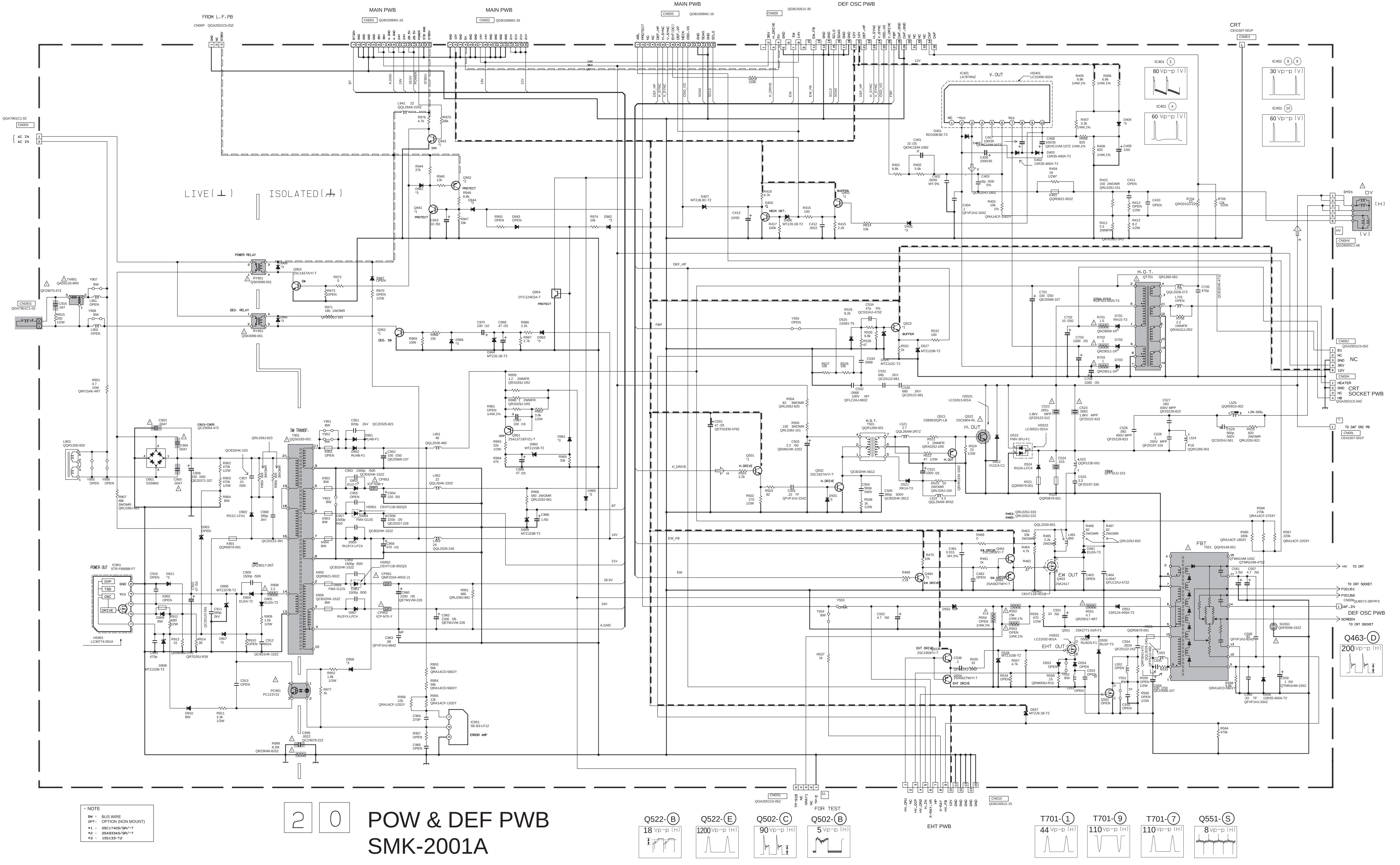
0 D DOLBY PWB
SMK-0D001A (2/2)

■ DEF OSC PWB CIRCUIT DIAGRAM

*1: 2SC2412K/QR/-X
*2: 2SA1037AK/QR/-X
*3: MA111-X
BW: IM-BW
0: NRSA63J-0R0X


QGA2501F1-03
CN00S4
GND
H_SYNC
V_SYNC
FOR ADJ
CN0009
QGB1505K1-35
36V
H_DRIVE
5V
GND
EW
14V
EW_FB
GND
SCL
SDA
12V
DEF_HP
H_SYNC
V_SYNC
OSD_VD
V_DRIVE
FBP
DAF_GND
NC
H_DAF_PARA
POWER & DEF PWB
Q0103 *1 BUFFER
Q0135 *1 BUFFER
R0118 5.6k
R0135 5.6k
R0119 10k
R0136 10k
R0138 10k
DEF RST
H.SYNC
V.SYNC
FBP
OSD VD
L0101 47 QQL01BK-470Z
Q0131 *1 BUFFER
R0131 1k
R0133 150
C0131 100p CH
C0121 100 /16
C0122 .01
R014 2 10k
R0140 10k
R0141 4.7k
Q0132 *1 INV
D0163 MA111-X
R0134 330k
C0134 .015
C0137 .001 CH
R0139 22k
R0126 10k
R0127 OPEN
R0123 100 QRK126J-101X
R0143 470
C0133
C0135 .001 CH
C0136 .001 CH
C0138 150p CH
C0132 1 /50
R0124 5.6k
H.DRIVE
DEF OSC
IC0101 LA7860M-X
V_SYNC
V_OSC
V_OSC ref
V_RAMP
V_SHIFT
V_BLK
V_OUT
GND(V)
HAFC
Vcc12V
FBP DELAY
H LOCK
FBP
NC
OUT
H_SYNC
EN
H_SHIFT
H_SHIFT TIME
H_SHIFT GAIN
H_SHIFT GAIN TIME
AFC RECT-PULSE
H OSC CTRL
H V/I ref
H AFC
HOSC
GND(H)
H FILTER
Vcc 9V
H_DUTY
C0115 .001 CH
R0121 1k
R0122 47 1W QRG01GJ-470
R0120 18k
R0101 1k
Q0101 *1 BUFFER
C0102 .01
R0103 680
R0114 2.2k
C0101 OPEN
R0102 OPEN
C0103 .01
R0110 22k
C0104 560p
C0106 .001
C0107 .0012
C0109 .01
R0116 1.8k
C0110 .001
C0113 .0012
C0114 .001
NDC21HJ-122X
C0108 4.7 /50 QEKJ1HM-475Z
R0117 3.3k
C0116 .01
C0118 .01
R0106 12k
R0104 10k
Q0102 *1 BUFFER
R0105 47k
R0108 OPEN
C0111 2.2 /50
C0112 2.2 /50
C0117 470 /16 HF
R0113 5.6k NRVA63D-562 X
R0111 15k 0.5%
L0104 10 NQL092K-100X
FREE_RUN
R0107 10k
R0109 6.8k
R0129 18k 0.5%
R0112 1.8k 0.5%
C0124 .01
H_CENT
L0103 10 NQL092K-100X
C0123 .01
IC0163 TA78L005AP-T
IN OUT GND
5V REG
C0183 OPEN
C0184 OPEN
IC0102 BA12FP-X
12V REG
C0119 47 /25 QEKC1EM-476Z
C0120 47 /16
SDA
SCL
L0105 100
Y0009 0
C0163 470 /10
C0185 OPEN
C0164 .01
C0161 1000 /16
C0162 .01
R0162 220
R0161 220
C0165 0.1
DEF CONTROL
IC0161 AN5441SA- W
SDA SCL FBP-IN VCC1 TP NC H-BLK SLIDE Hi H-BLK SLIDE Lo V-BLK SLIDE Hi V-BLK SLIDE Lo H.AGC BLK NECK V-FB
DIGI GND ANA GND V.TRI-IN VCC2 V-AGC V-RAMP TRAPEZ SLICE EHT DC EHT AC COR SLICE EW V-DRIVE V-FB VCC3
C0172 2.2/50
C0171 0.18 TF,5%
NRVA63D-562X
R0163 100
R0164 100
R0183 1k
C0173 0.015
R0187 4.7k
R0179 5.6k
R0177 6.8k
R0188 100 0.5%
R0180 1.5k 0.5%
C0170 0.01
R0178 330
C0168 0.01
C0178 .1
C0179 .1
C0180 .1
C0181 .1
C0182 .1
IC0161-18 1.5 Vp-p (H)
5V
Y0008 NRSA63J-0R0X
Y0007 OPEN
DEF RST
H:RESET L:NORMAL
R0223 100
R0224 100
IC0212 CXA1875AM- X
GND DEF_RST FREE RUN H_CENT
9001/QTH A0 A1 A2 SDA SCL VDD
R0217 220
R0216 220
R0225 10k
D0222 UDZS6.2B-X
D0223 UDZS6.2B-X
C0212 10/50
HIGH:1500I-1250I LOW:900I
IC0161-17 3.2 Vp-p (V)
IC0161-26 4.0 Vp-p (V)
IC0164-12 12 Vp-p (H)
IC0164-19 2.0 Vp-p (H)
R0193 OPEN 0.5%
R0192 0 0.5%
C0175 .0015
R0186 1k
EW
R0174 3.9k 0.5%
R0175 680 0.5%
C0167 OPEN
C0169 100 /16
R0197 0
R0172 4.7k
R0190 47k
R0171 OPEN
C0191 220p
C0174 OPEN
C0176 OPEN
C0177 100 /16
EW FB
R0196 OPEN
D0162 OPEN
R0191 OPEN
C0192 OPEN
IC0162 OPEN
Vcc GND
IC0164 BA9756FS-X
E/W PWM GENER.
SAW GEN M/M RFF 9V
C0166 OPEN
R0165 OPEN
R0166 OPEN
R0167 OPEN
R0168 OPEN
R0169 OPEN 0.5%
R0170 OPEN
D0161 OPEN
C0190 1 /50
R0194 OPEN 0.5%
R0195 OPEN 0.5%
C0186 .0022
R0173 27k
C0187 1000 /16
C0188 820p NDC21HJ-821 X
H.DRIVE
IC0101-1 2.0 Vp-p (H)
IC0101-16 5.5 Vp-p (H)
IC0101-18 4.5 Vp-p (H)
IC0101-24 4.0 Vp-p (H)
IC0101-30 2.5 Vp-p (H)
V DRIVE
R0764 180k 1/2 W
R0762 180k 1/2W
R0765 180k 1/2W
R0763 180k 1/2W
R0761 180k 1/2W
C0762 OPEN
C0763 OPEN
D0751 ES1F-LFG2
D0752 ES1F-LFG2
CN000L QUB572-18FPF X
CN000K CE41507-001P
POWER & DEF PWB
R0767 OPEN
R0752 10k
Q0752 *1
V- DAF
R0755 33k
Q0753 2SC4632
C0761 .0068 2kV QFZ0122-68 2
R0751 27k
Q0751 *1
C0752 47 /25
T0751 QQR1096-001
R0768 OPEN
C0754 0.056 MY,5%
R0753 3.3k
R0754 5.6k
R0756 3.9k
R0757 3.9k
C0753 .0075 QFZ0122-75 2
R0758 1k QRZ0056-102 Z
R0769 1k
Q0754 *1 SW
R0770 47k
C0751 0.0015
R0759 4.7k
Y0751 OPEN
36V
DAF
OH DEF OSC PWB
SMK-0H001A

POWER & DEF PWB CIRCUIT DIAGRAM


MAIN PWB
MAIN PWB
MAIN PWB
DEF OSC PWB
CRT
FROM L.F.PB
LIVE(⊥)
ISOLATED(⊥)
POWER RELAY
DEG. RELAY
SW TRANSF.
T901
POWER OUT
IC901
STR-F6668B-F7
PC901
IC951
SE-B3-LF12
ERROR AMP
PROTECT
IC401
LA7876NZ
V. OUT
H. D. T.
T701
FBT
T551
H. OUT
EHT OUT
EW OUT
EW DRIVE
EHT DRIVE
H. DRIVE
BUFFER
NECK DET.
DY
CRT SOCKET PWB
DEF OSC PWB
FOR TEST
EHT PWB
Q522-B 18 Vp-p (H)
Q522-E 1200 Vp-p (H)
Q502-C 90 Vp-p (H)
Q502-B 5 Vp-p (H)
T701-1 44 Vp-p (H)
T701-9 110 Vp-p (H)
T701-7 110 Vp-p (H)
Q551-S 8 Vp-p (H)
Q463-D 200 Vp-p (H)
IC401 3 80 Vp-p (V)
IC401 4 60 Vp-p (V)
IC401 8 9 30 Vp-p (V)
IC401 10 60 Vp-p (V)

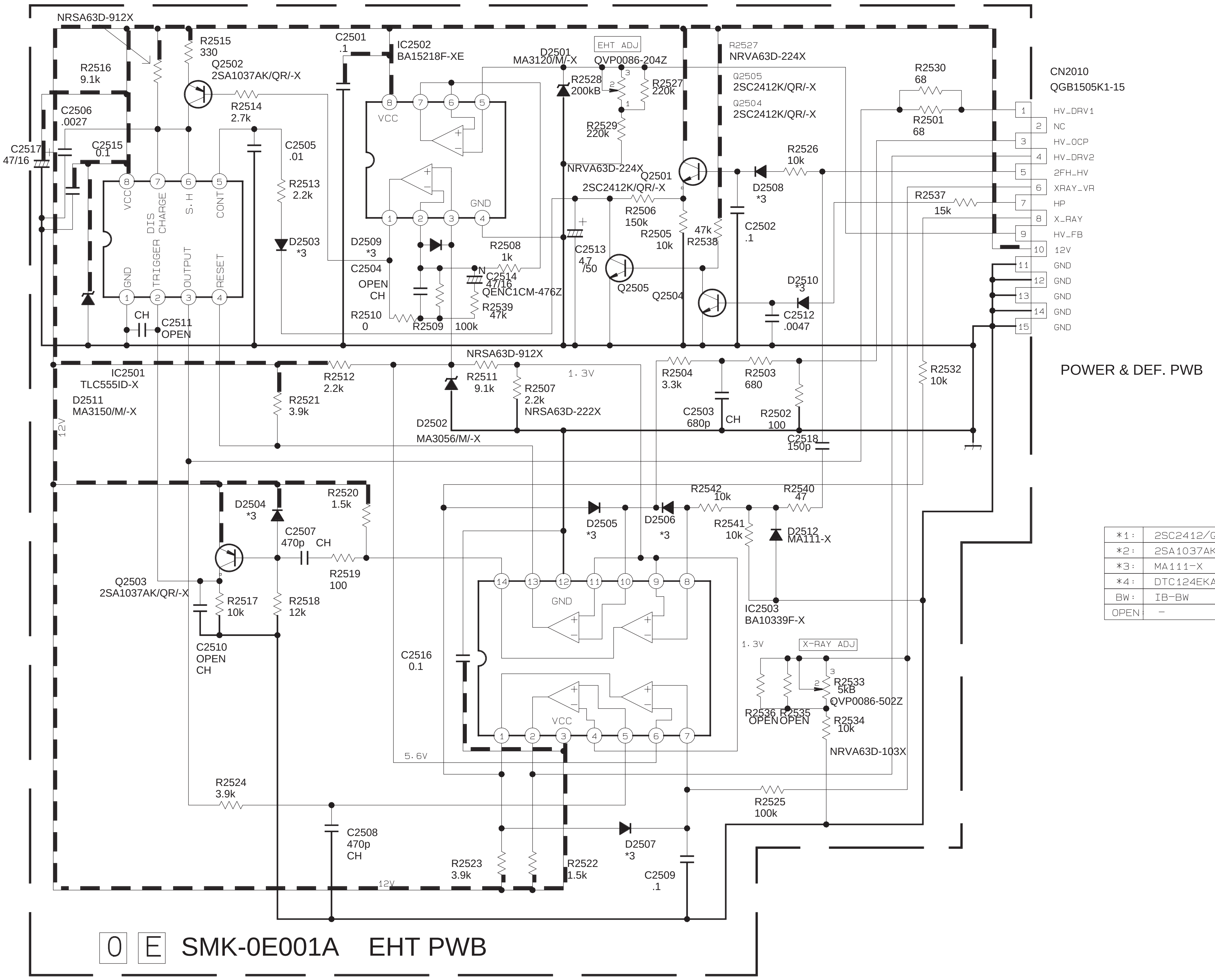
- NOTE

BW : BUS WIRE
OPT : OPTION (NON MOUNT)
*1 : 2SC1740S/QR/-T
*2 : 2SA933AS/QR/-T
*3 : 1SS133-T2

2 0

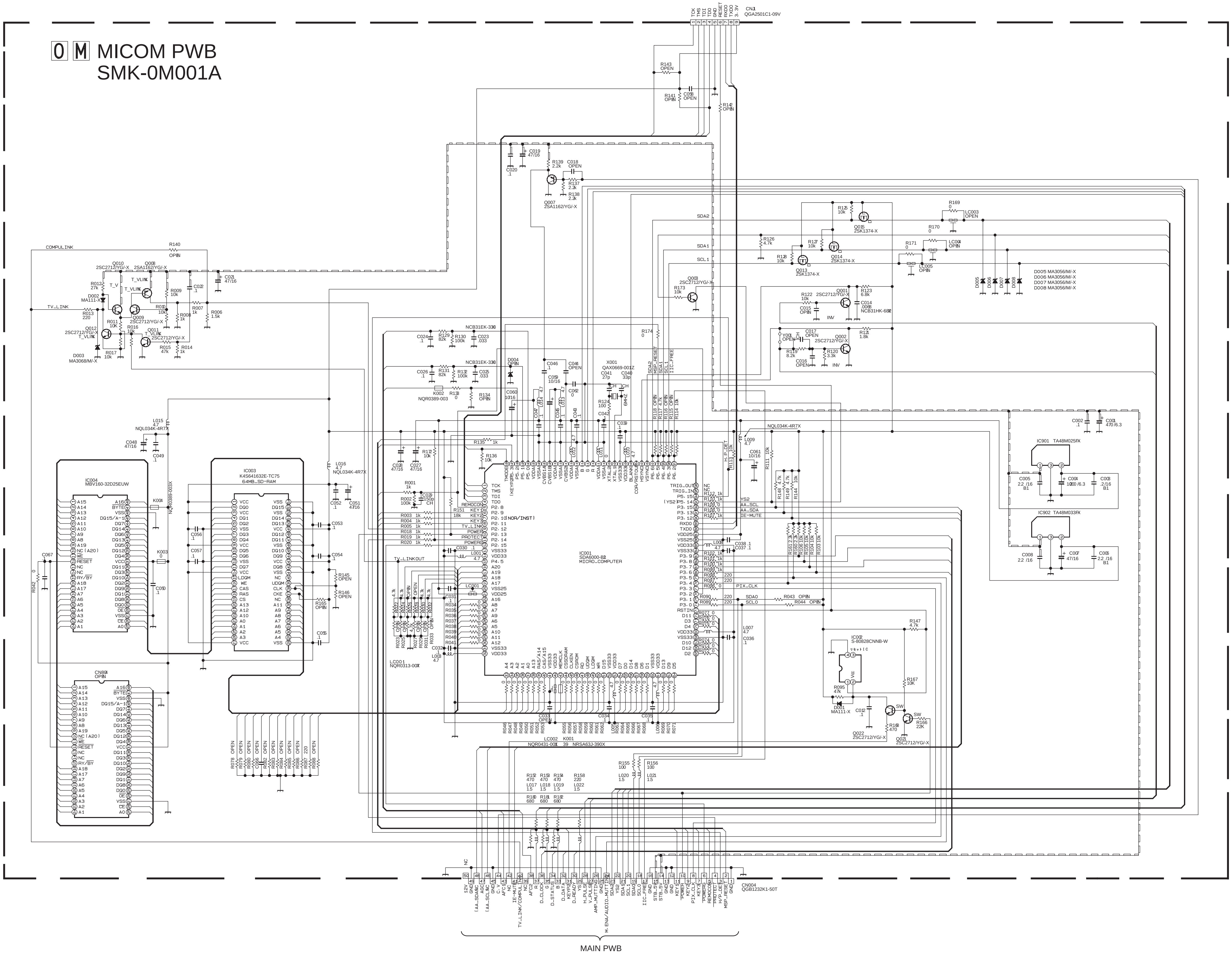
POW & DEF PWB
SMK-2001A

■ EHT PWB CIRCUIT DIAGRAM

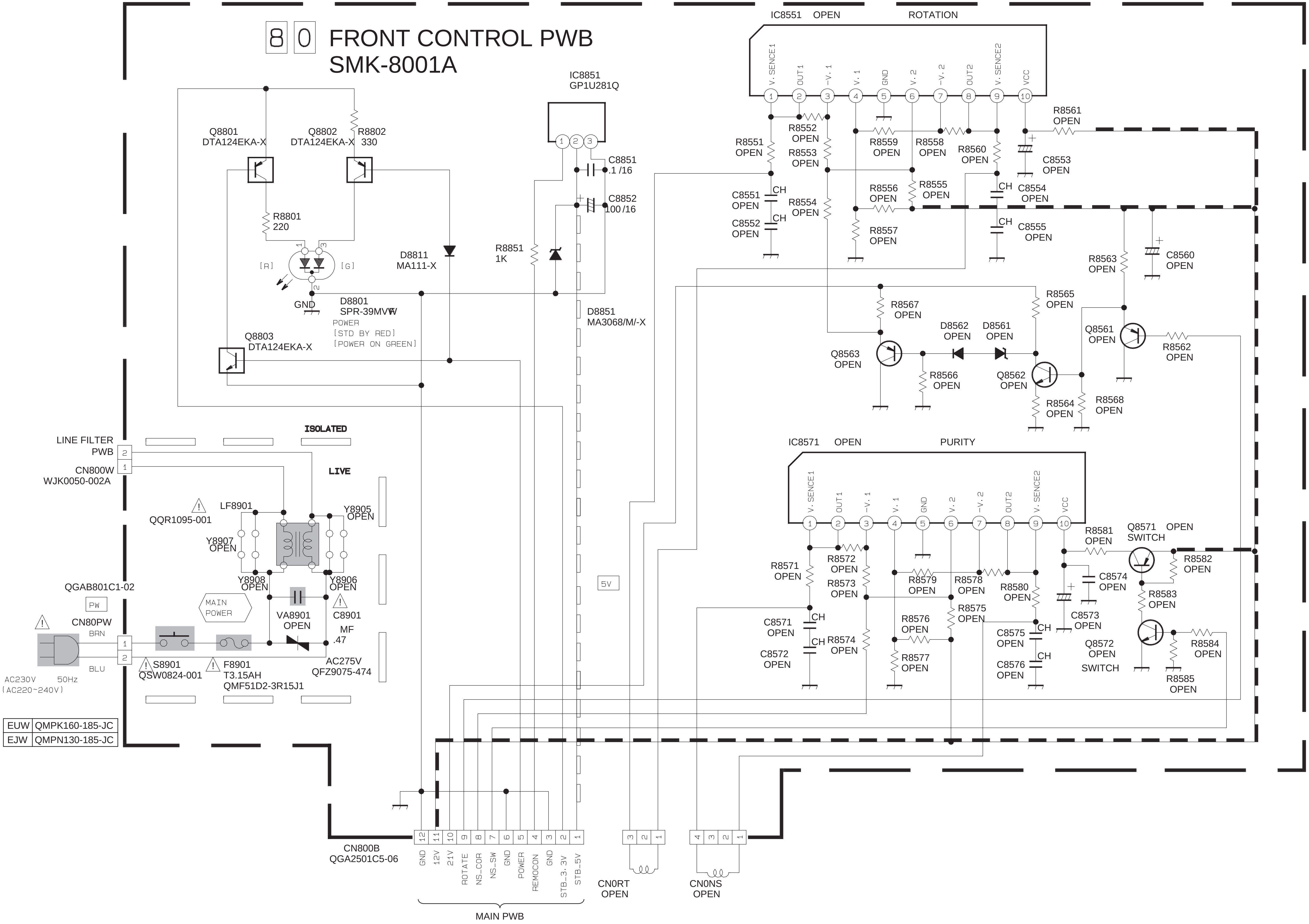

NRSA63D-912X
R2516 9.1k
R2515 330
Q2502 2SA1037AK/QR/-X
R2514 2.7k
C2506 .0027
C2517 47/16
C2515 0.1
C2501 .1
IC2502 BA15218F-XE
C2505 .01
R2513 2.2k
D2503 *3
VCC DIS CHARGE S.H CONT
GND TRIGGER OUTPUT RESET
VCC
GND
D2509 *3
C2504 OPEN CH
R2510 0
R2509 100k
R2508 1k
C2514 47/16
QENC1CM-476Z
R2539 47k
CH
C2511 OPEN
D2501 MA3120/M/-X
EHT ADJ
QVP0086-204Z
R2528 200kB
R2527 220k
R2529 220k
NRVA63D-224X
Q2501 2SC2412K/QR/-X
R2506 150k
R2505 10k
C2513 4.7 /50
Q2505
Q2504
R2538 47k
R2527 NRVA63D-224X
Q2505 2SC2412K/QR/-X
Q2504 2SC2412K/QR/-X
C2502 .1
D2508 *3
R2526 10k
D2510 *3
C2512 .0047
R2530 68
R2501 68
R2537 15k
CN2010 QGB1505K1-15
1 HV_DRV1
2 NC
3 HV_OCP
4 HV_DRV2
5 2FH_HV
6 XRAY_VR
7 HP
8 X_RAY
9 HV_FB
10 12V
11 GND
12 GND
13 GND
14 GND
15 GND
POWER & DEF. PWB
IC2501 TLC555ID-X
D2511 MA3150/M/-X
12V
R2512 2.2k
R2521 3.9k
NRSA63D-912X
R2511 9.1k
R2507 2.2k NRSA63D-222X
D2502 MA3056/M/-X
1.3V
R2504 3.3k
R2503 680
C2503 680p CH
R2502 100
C2518 150p
R2532 10k
D2504 *3
R2520 1.5k
C2507 470p CH
R2519 100
Q2503 2SA1037AK/QR/-X
R2517 10k
R2518 12k
C2510 OPEN CH
C2516 0.1
D2505 *3
D2506 *3
R2542 10k
R2540 47
R2541 10k
D2512 MA111-X
IC2503 BA10339F-X
1.3V
X-RAY ADJ
R2533 5kB QVP0086-502Z
R2536 OPEN
R2535 OPEN
R2534 10k
NRVA63D-103X
5.6V
R2524 3.9k
C2508 470p CH
R2523 3.9k
R2522 1.5k
D2507 *3
C2509 .1
R2525 100k
12V
0 E SMK-0E001A EHT PWB

*1:	2SC2412/QR/-X
*2:	2SA1037AK/QR/-X
*3:	MA111-X
*4:	DTC124EKA-X
BW:	IB-BW
OPEN	–

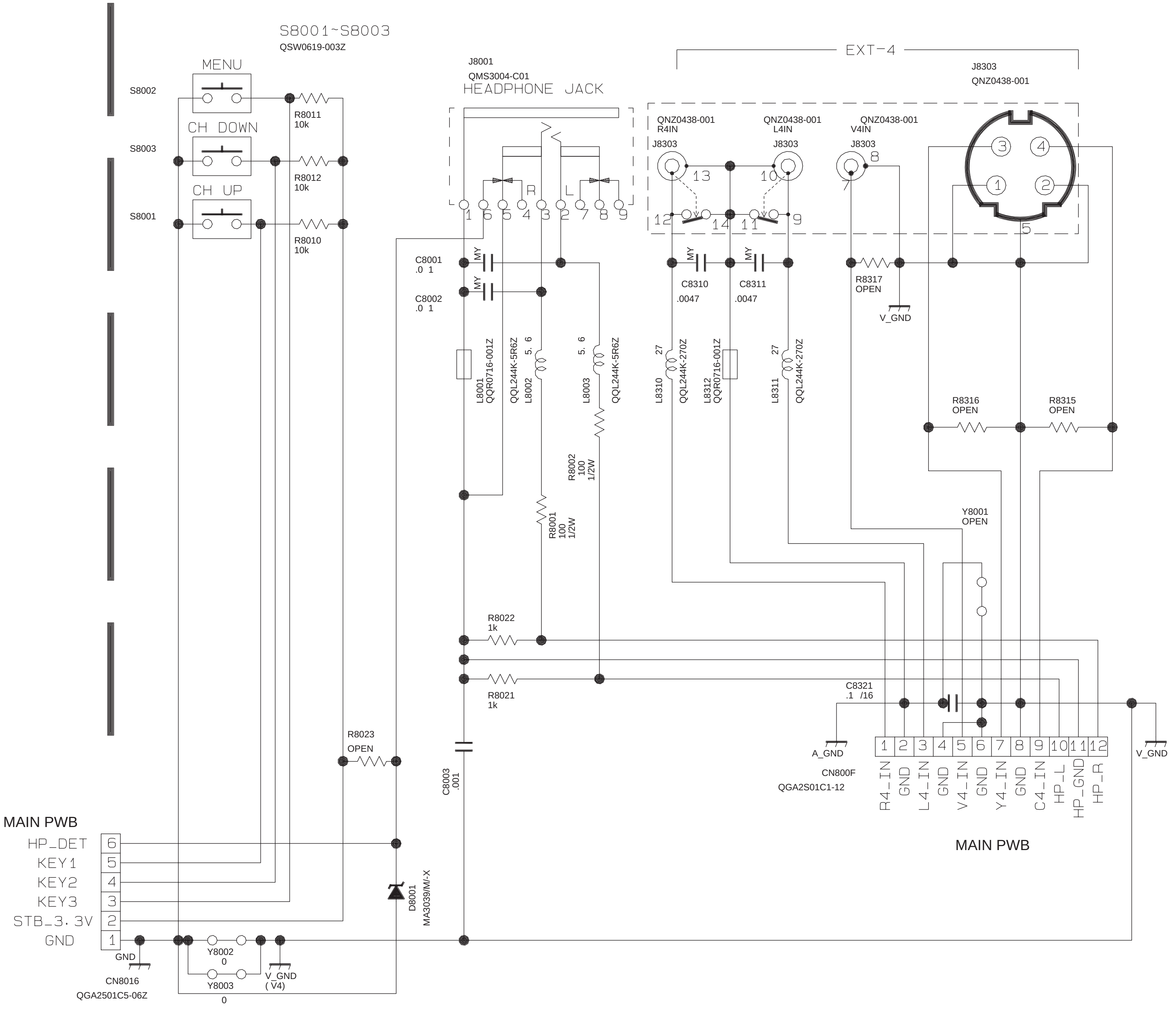
■ MICOM PWB CIRCUIT DIAGRAM


0 M MICOM PWB
SMK-0M001A
CN1 QGA2501C1-09V
TCK
TMS
TDI
TDO
GND
RESET
RXDO
TXDO
3.3V
IC001 SDA6000-B2 MICRO_COMPUTER
IC003 K4S641632E-TC75 64MB_SD-RAM
IC004 MBV160-32D25EUW
CN804 OPEN
IC901 TA48M025FK
IC902 TA48M033FK
IC002 S-80828CNNB-W
X001 QAX0669-001Z
K002 NQR0389-003
LC001 NQR0313-003
LC002 K001 NQR0431-001 NRSA633-390X
Q007 2SA1162/YG/-X
Q010 2SC2712/YG/-X
Q008 2SA1162/YG/-X
Q009 2SC2712/YG/-X
Q011 2SC2712/YG/-X
Q012 2SC2712/YG/-X
Q003 2SC2712/YG/-X
Q001 2SC2712/YG/-X
Q002 2SC2712/YG/-X
Q013 2SK1374-X
Q014 2SK1374-X
Q015 2SK1374-X
Q021 2SC2712/YG/-X
Q022 2SC2712/YG/-X
D002 MA111-X
D003 MA3068/M/-X
D001 MA111-X
D005 MA3056/M/-X
D006 MA3056/M/-X
D007 MA3056/M/-X
D008 MA3056/M/-X
COMPULINK
TV_LINK
SDA2
SDA1
SCL1
PIX_CLK
SDA0
SCL0
AA_SCL
AA_SDA
IE-MUTE
TV_LINKOUT
CN004 QGB1232K1-50T
MAIN PWB

■ FRONT CONTROL PWB CIRCUIT DIAGRAM


80
FRONT CONTROL PWB
SMK-8001A
IC8851
GP1U281Q
C8851
.1 /16
C8852
100 /16
Q8801
DTA124EKA-X
Q8802
DTA124EKA-X
R8802
330
R8801
220
[R]
[G]
D8811
MA111-X
R8851
1K
D8801
SPR-39MVW
POWER
[STD BY RED]
[POWER ON GREEN]
GND
Q8803
DTA124EKA-X
D8851
MA3068/M/-X
5V
IC8551 OPEN
ROTATION
V.SENCE1
OUT1
-V.1
V.1
GND
V.2
-V.2
OUT2
V.SENCE2
VCC
R8561
OPEN
R8551
OPEN
R8552
OPEN
R8553
OPEN
R8559
OPEN
R8558
OPEN
R8560
OPEN
C8553
OPEN
C8551
OPEN
CH
R8554
OPEN
R8556
OPEN
R8555
OPEN
C8554
OPEN
CH
C8552
OPEN
CH
R8557
OPEN
C8555
OPEN
CH
R8563
OPEN
C8560
OPEN
R8567
OPEN
R8565
OPEN
D8562
OPEN
D8561
OPEN
Q8561
OPEN
R8562
OPEN
Q8563
OPEN
R8566
OPEN
Q8562
OPEN
R8564
OPEN
R8568
OPEN
ISOLATED
LIVE
LINE FILTER
PWB
CN800W
WJK0050-002A
LF8901
QQR1095-001
Y8905
OPEN
Y8907
OPEN
Y8908
OPEN
Y8906
OPEN
QGAB801C1-02
PW
MAIN
POWER
VA8901
OPEN
C8901
MF
.47
AC275V
QFZ9075-474
CN80PW
BRN
BLU
S8901
QSW0824-001
F8901
T3.15AH
QMF51D2-3R15J1
AC230V 50Hz
(AC220~240V)
EUW QMPK160-185-JC
EJW QMPN130-185-JC
IC8571 OPEN
PURITY
V.SENCE1
OUT1
-V.1
V.1
GND
V.2
-V.2
OUT2
V.SENCE2
VCC
R8581
OPEN
Q8571 OPEN
SWITCH
R8571
OPEN
R8572
OPEN
R8582
OPEN
R8573
OPEN
R8579
OPEN
R8578
OPEN
R8580
OPEN
C8574
OPEN
R8583
OPEN
C8571
OPEN
CH
R8575
OPEN
R8576
OPEN
C8573
OPEN
C8572
OPEN
CH
R8574
OPEN
R8577
OPEN
C8575
OPEN
CH
Q8572
OPEN
SWITCH
R8584
OPEN
C8576
OPEN
CH
R8585
OPEN
CN800B
QGA2501C5-06
GND
12V
21V
ROTATE
NS_COR
NS_SW
GND
POWER
REMOCON
GND
STB_3.3V
STB_5V
MAIN PWB
CN0RT
OPEN
CN0NS
OPEN

■ SIDE CONTROL PWB CIRCUIT DIAGRAM

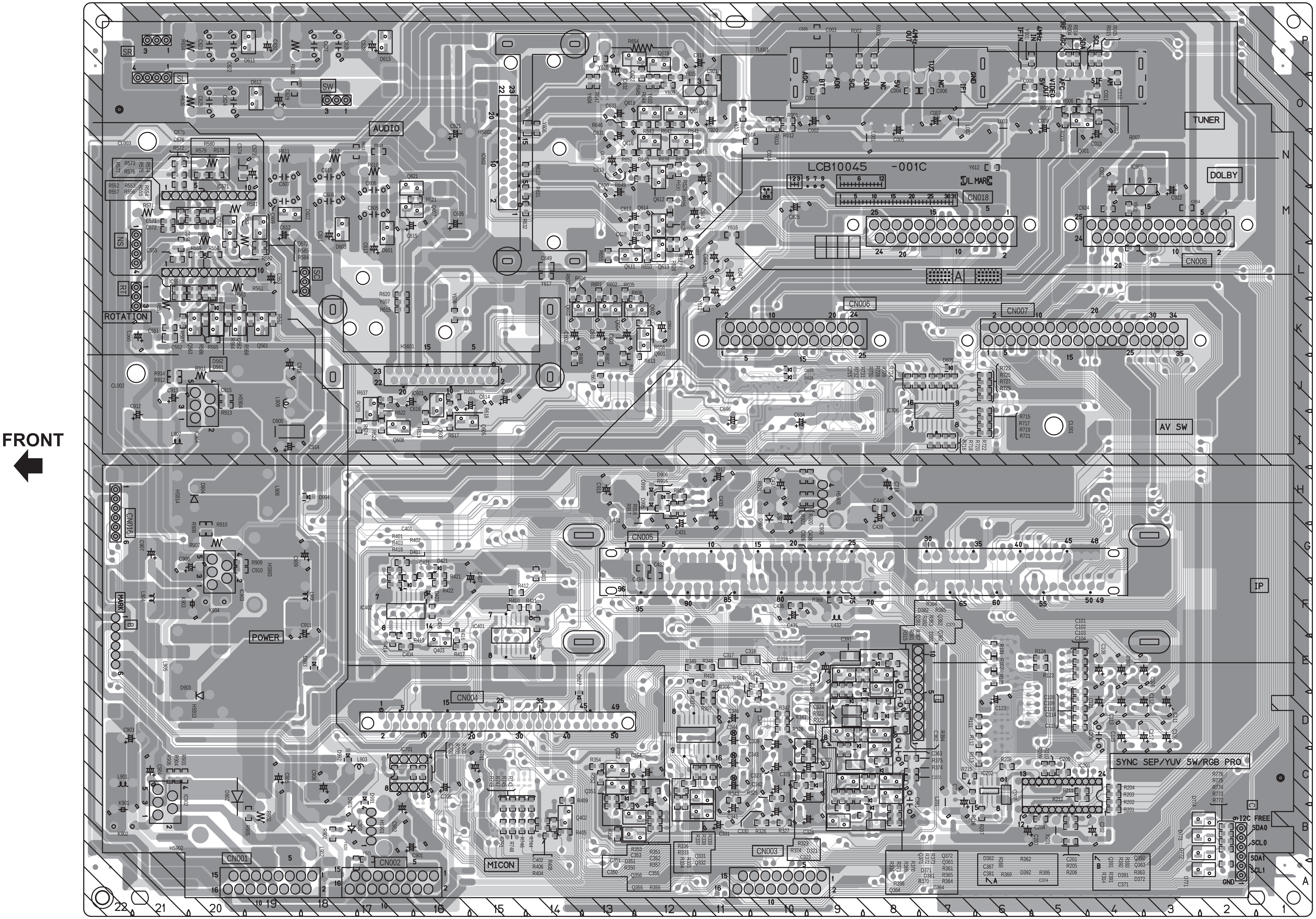

S8001~S8003
QSW0619-003Z
MENU
CH DOWN
CH UP
S8002
S8003
S8001
R8011
10k
R8012
10k
R8010
10k
J8001
QMS3004-C01
HEADPHONE JACK
R
L
1 6 5 4 3 2 7 8 9
C8001
.0 1
C8002
.0 1
MY
L8001
QQR0716-001Z
QQL244K-5R6Z
L8002
5. 6
L8003
QQL244K-5R6Z
R8002
100
1/2W
R8001
100
1/2W
R8022
1k
R8021
1k
R8023
OPEN
C8003
.001
D8001
MA3039/M/-X
EXT-4
J8303
QNZ0438-001
QNZ0438-001
R4IN
QNZ0438-001
L4IN
QNZ0438-001
V4IN
13
12
14
10
11
9
8
7
3
4
1
2
5
C8310
.0047
C8311
.0047
L8310
27
QQL244K-270Z
L8312
QQR0716-001Z
L8311
27
QQL244K-270Z
R8317
OPEN
V_GND
R8316
OPEN
R8315
OPEN
Y8001
OPEN
C8321
.1 /16
A_GND
V_GND
CN800F
QGA2S01C1-12
1 2 3 4 5 6 7 8 9 10 11 12
R4_IN
GND
L4_IN
GND
V4_IN
GND
Y4_IN
GND
C4_IN
HP_L
HP_GND
HP_R
MAIN PWB
MAIN PWB
HP_DET 6
KEY1 5
KEY2 4
KEY3 3
STB_3.3V 2
GND 1
GND
CN8016
QGA2501C5-06Z
Y8002
0
Y8003
0
V_GND
(V4)

*1: 2SC2412K/QR/-X
*2: 2SA1037AK/QR/-X
*3: MA111-X
*4: DTC124EKA-X
*5: DTA124EKA-X
0: NRSA63J-0R0X
BW: IM-BW

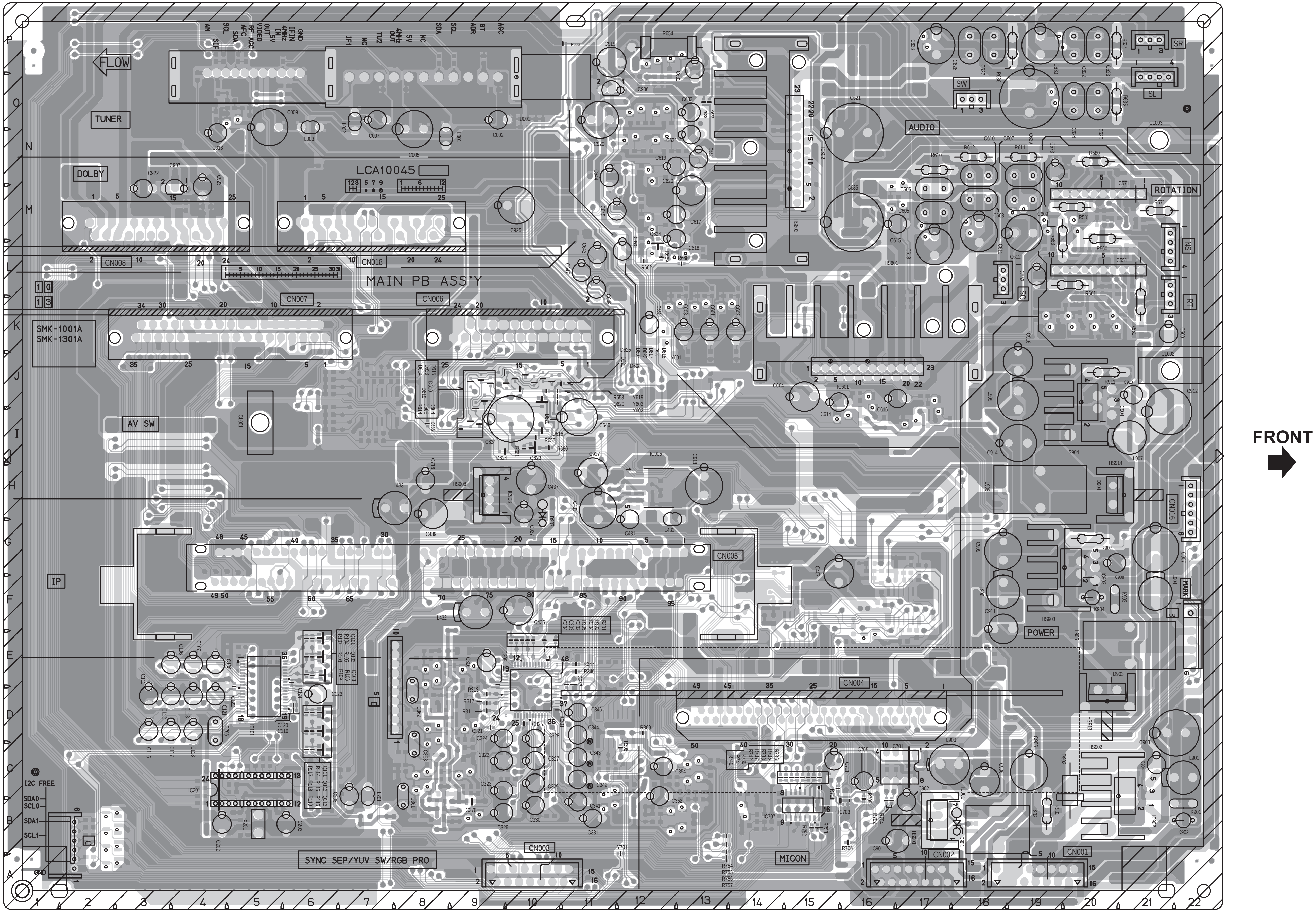
8 1 SIDE CONTROL PWB
SMK-8101A

PATTERN DIAGRAMS

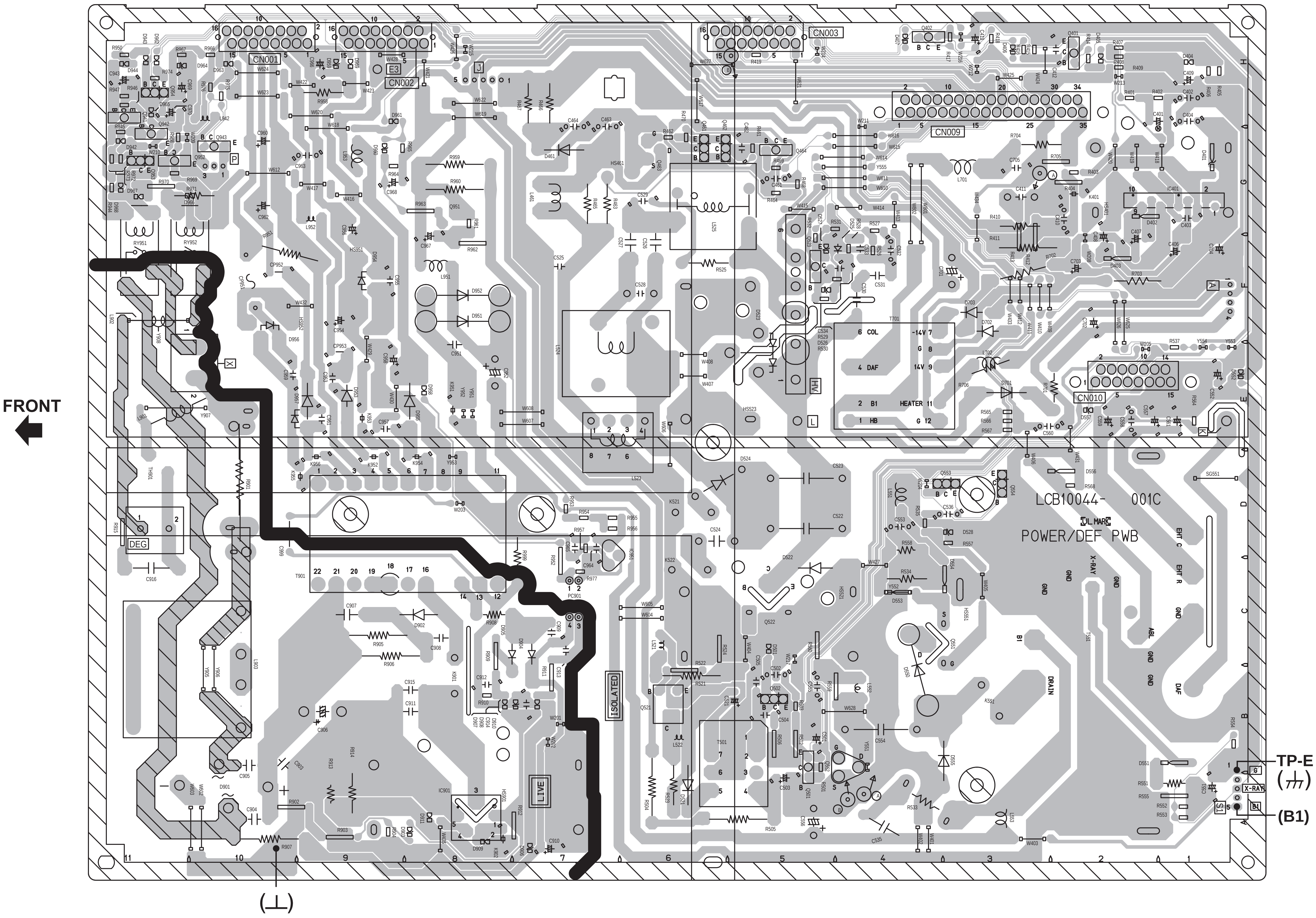
■ MAIN PWB PATTERN [SOLDER SIDE]


FRONT
LCB10045 -001C
AUDIO
TUNER
DOLBY
AV SW
ROTATION
POWER
MICON
MARK
IP
SYNC SEP/YUV SW/RGB PRO
SR
SL
SW
SC
NS
RT
CN001
CN002
CN003
CN004
CN005
CN006
CN007
CN008
CN016
CN018
TU001
I2C FREE
SDA0
SCL0
SDA1
SCL1
GND
P
O
N
M
L
K
J
I
H
G
F
E
D
C
B
A
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

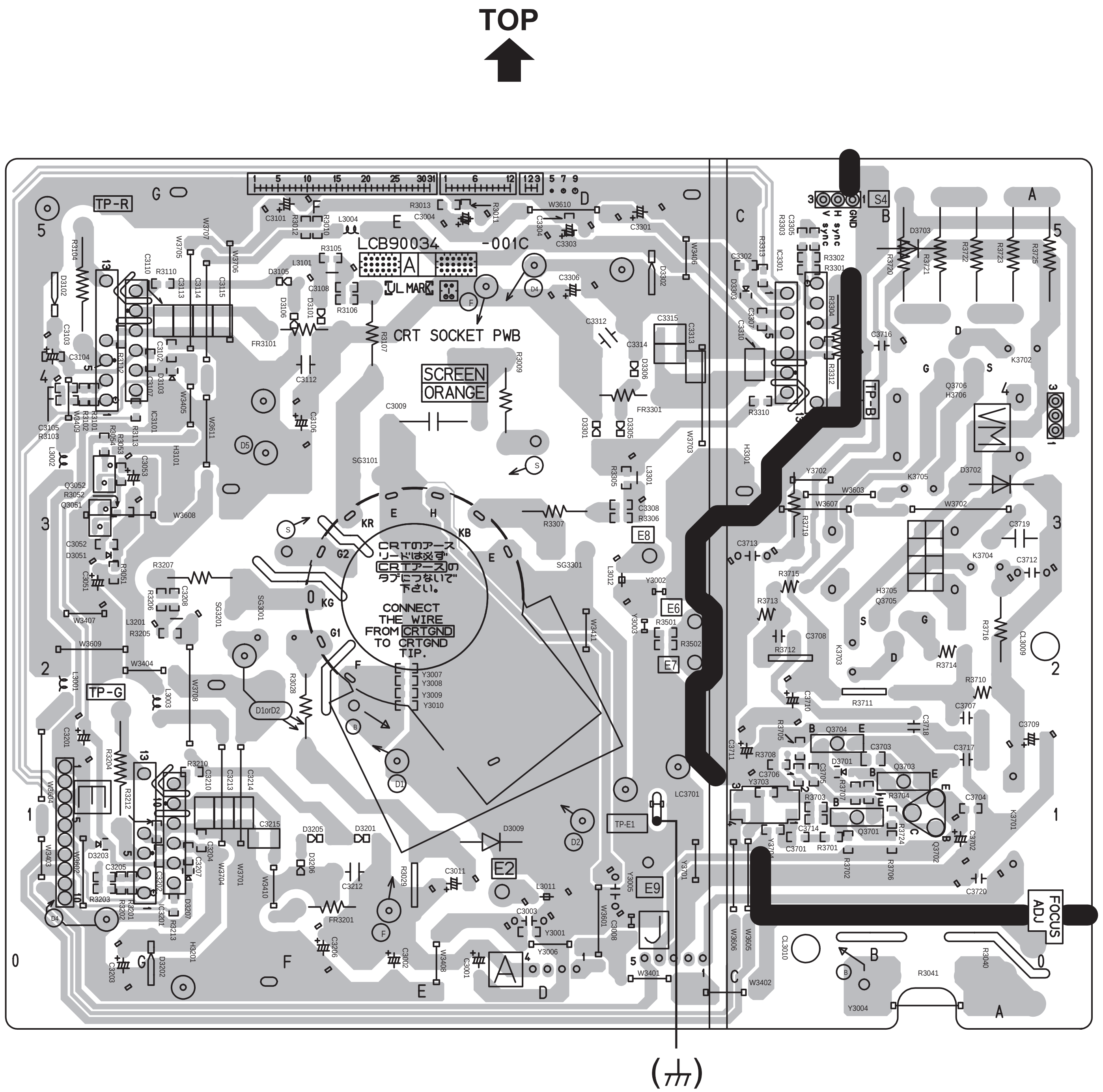
■ MAIN PWB PATTERN [PARTS SIDE]


FLOW
TUNER
DOLBY
LCA10045
MAIN PB ASS'Y
CN008
CN018
CN007
CN006
SMK-1001A
SMK-1301A
AV SW
IP
CN005
CN004
CN003
CN002
CN001
I2C FREE
SDA0
SCL0
SDA1
SCL1
GND
SYNC SEP/YUV SW/RGB PRO
MICON
POWER
AUDIO
ROTATION
SW
SR
SL
NS
RT
SC
CN016
MARK
FRONT
AM
SIF
SCL
SDA
AFC
RF AGC
VIDEO OUT
5V
IN
4MHz
JFIN
GND
IF1
NC
TU2
4MHz OUT
5V
NC
SDA
SCL
ADR
BT
AGC
P
O
N
M
L
K
J
I
H
G
F
E
D
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22

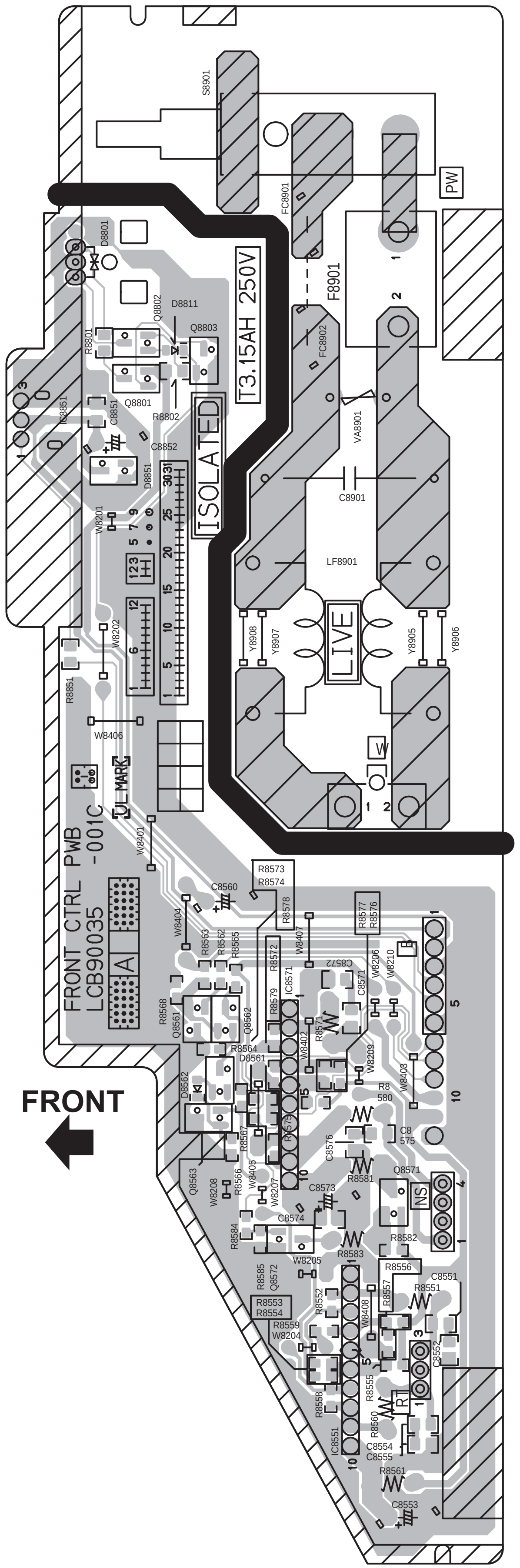
■ POWER&DEF PWB PATTERN


FRONT
CN001
CN002
CN003
CN009
CN010
E3
J
P
DEG
ISOLATED
LIVE
HV
T901
T701
T501
IC401
IC901
PC901
RY951
RY952
LCB10044- 001C
POWER/DEF PWB
EHT C
EHT R
GND
X-RAY
ABL
DAF
DRAIN
B1
TP-E
(⏚)
(B1)
(⊥)

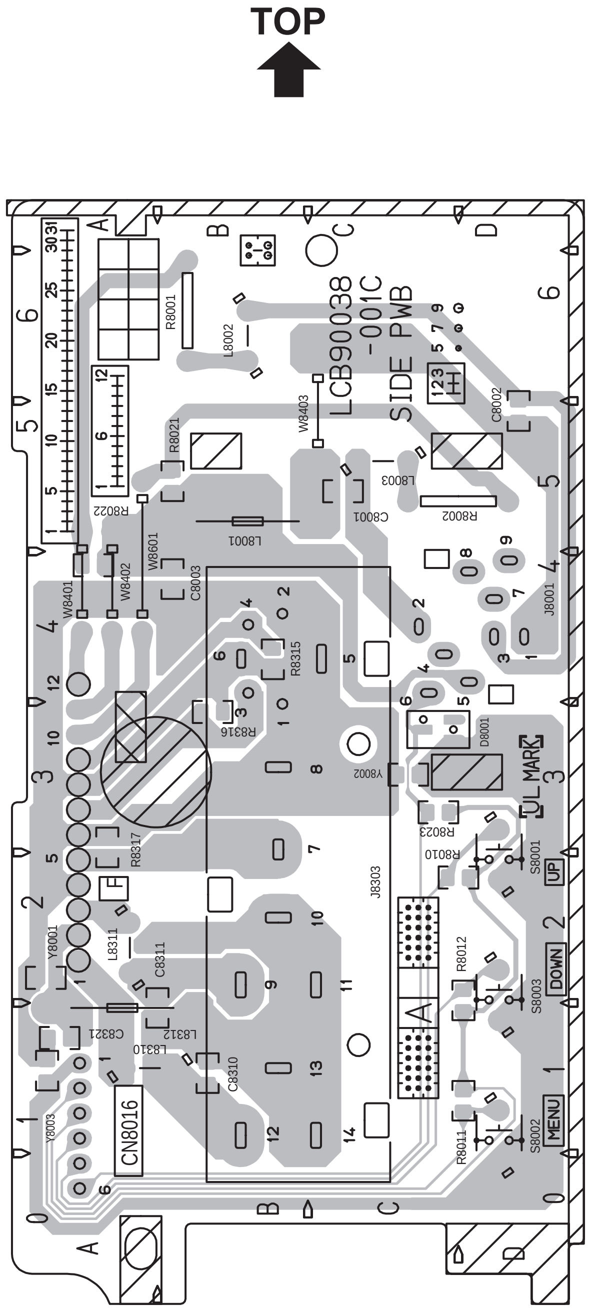
■ CRT SOCKET PWB PATTERN


TOP
CRT SOCKET PWB
LCB90034 -001C
SCREEN
ORANGE
CRTのアース リードは必ず CRTアースの ラグにつないで 下さい。
CONNECT THE WIRE FROM CRTGND TO CRTGND TIP.
TP-R
TP-G
TP-B
TP-E1
FOCUS ADJ
H sync
V sync
GND
S4
E2
E6
E7
E8
E9
KR
KG
KB
G1
G2
FR3101
FR3201
FR3301
SG3101
SG3301
LC3701
W3401
W3402

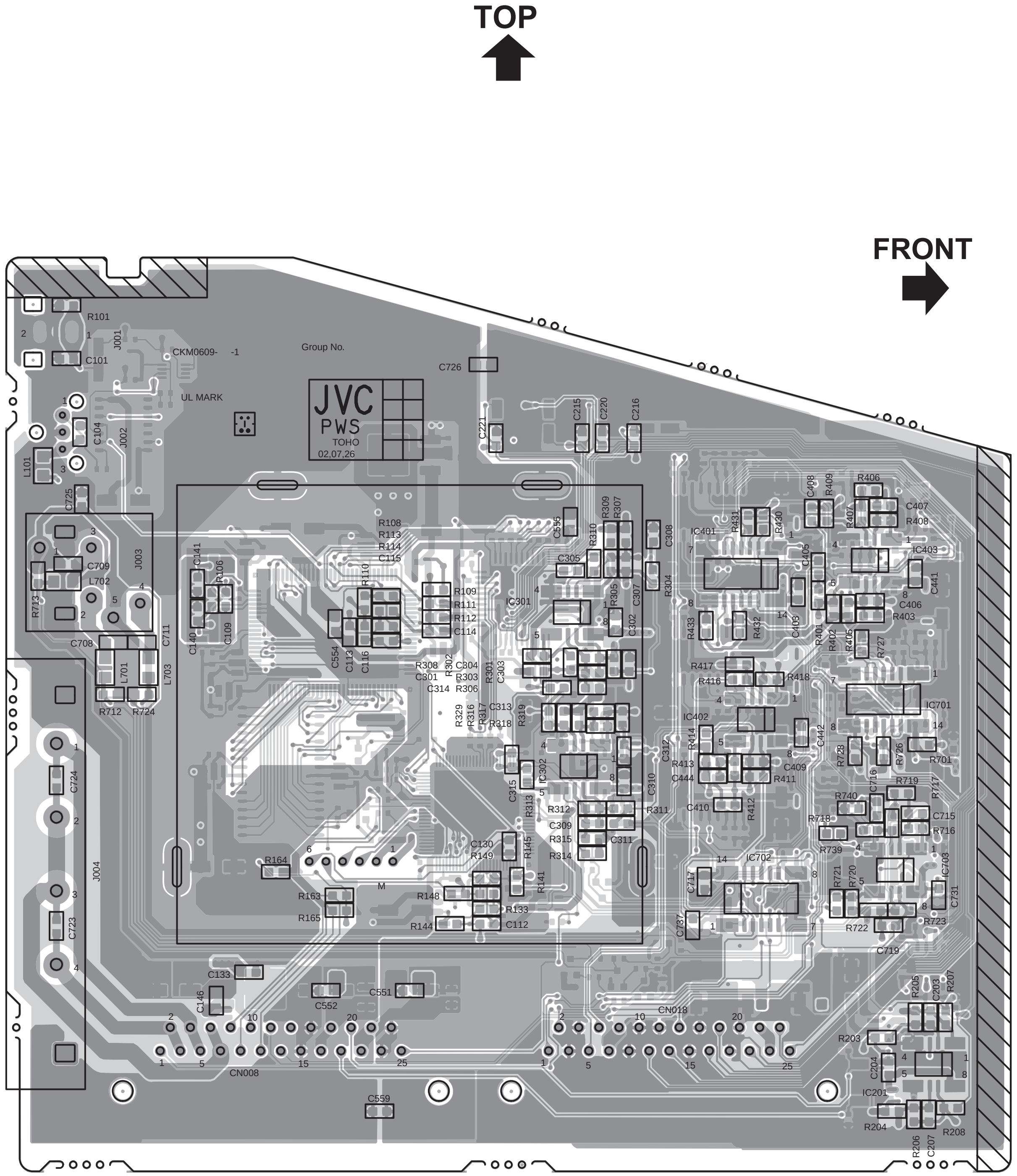
■ FRONT CONTROL PWB PATTERN


FRONT CTRL PWB
LCB90035 -001C
T3.15AH 250V
ISOLATED
LIVE
F8901
FC8901
FC8902
LF8901
C8901
VA8901
S8901
PW
Q8801
Q8802
Q8803
D8801
D8811
CN8016
NS
FRONT

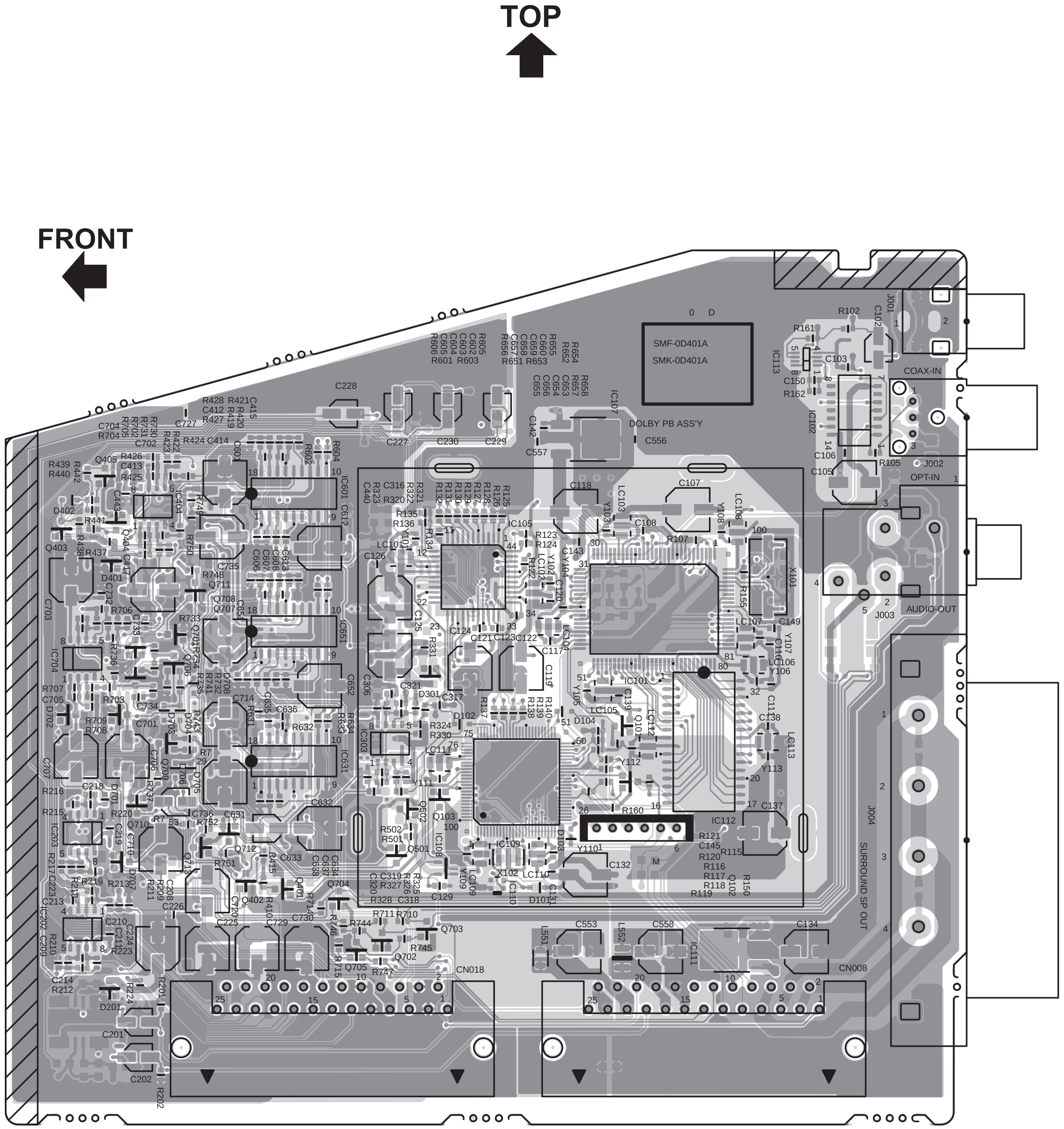
■ SIDE CONTROL PWB PATTERN


TOP
LCB90038 -001C
SIDE PWB
S8001
UP
S8002
MENU
S8003
DOWN
J8001
J8303
D8001
CN8016
L8001
L8002
L8003
L8310
L8311
L8312
R8001
R8002
R8010
R8011
R8012
R8021
R8022
R8023
R8315
R8316
R8317
Y8001
Y8002
Y8003
W8401
W8402
W8403
W8601
C8001
C8002
C8003
C8310
C8311
C8321

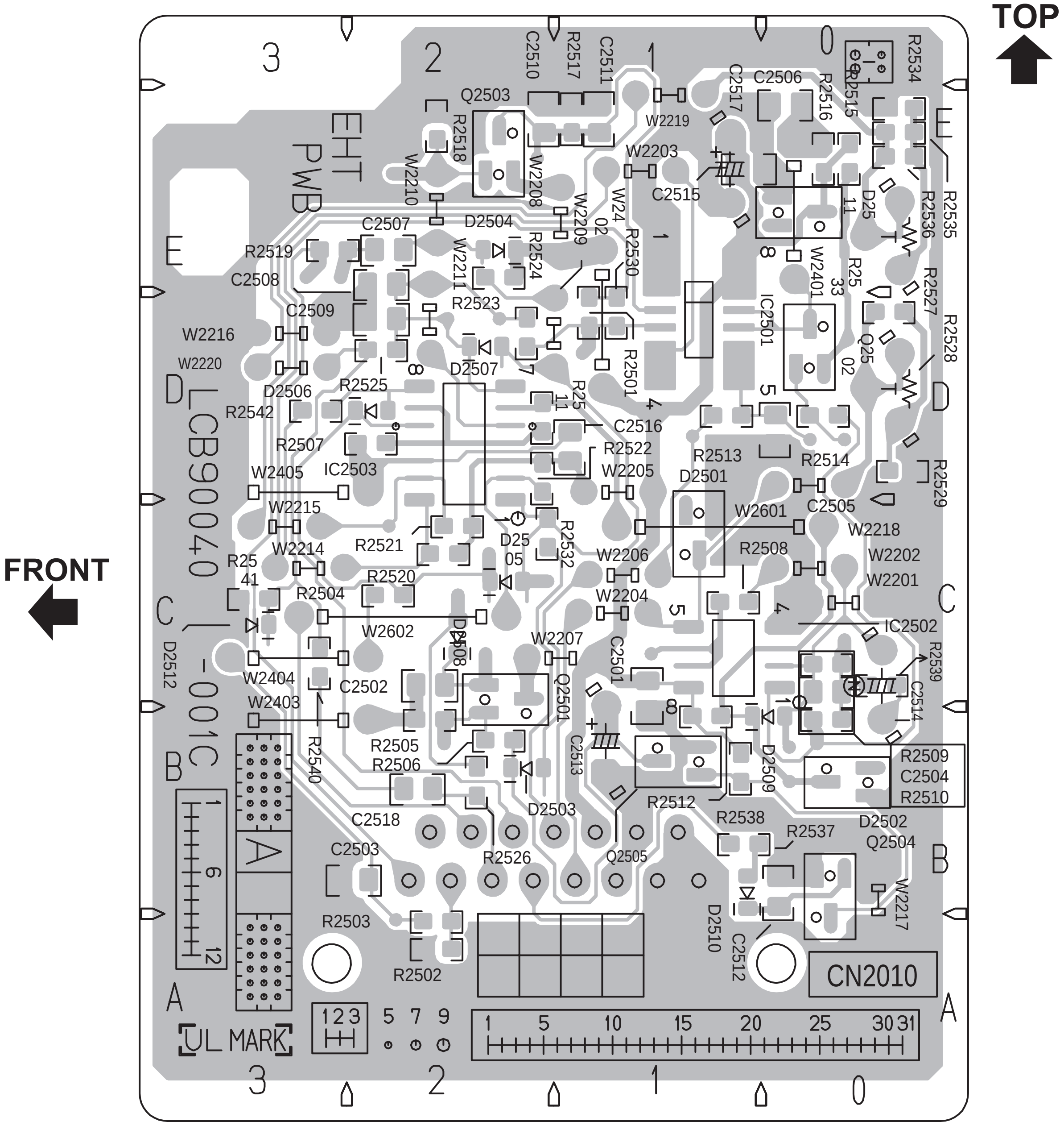
■ DOLBY PWB PATTERN [SOLDER SIDE]


TOP
FRONT
JVC
PWS
TOHO
02,07,26
CKM0609- -1
Group No.
UL MARK
J001
J002
J003
J004
CN008
CN018
IC201
IC301
IC302
IC401
IC402
IC701
IC702
IC703

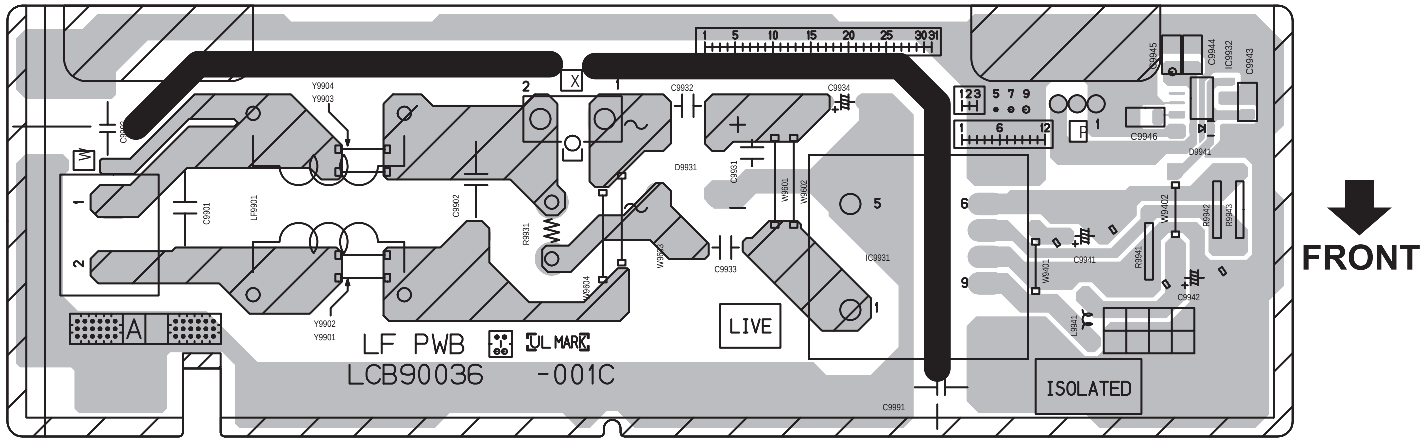
■ DOLBY PWB PATTERN [PARTS SIDE]


TOP
FRONT
SMF-0D401A
SMK-0D401A
DOLBY PB ASS'Y
COAX-IN
OPT-IN
AUDIO-OUT
SURROUND SP OUT
J001
J002
J003
J004
CN008
CN018
IC101
IC102
IC103
IC105
IC107
IC112
IC113

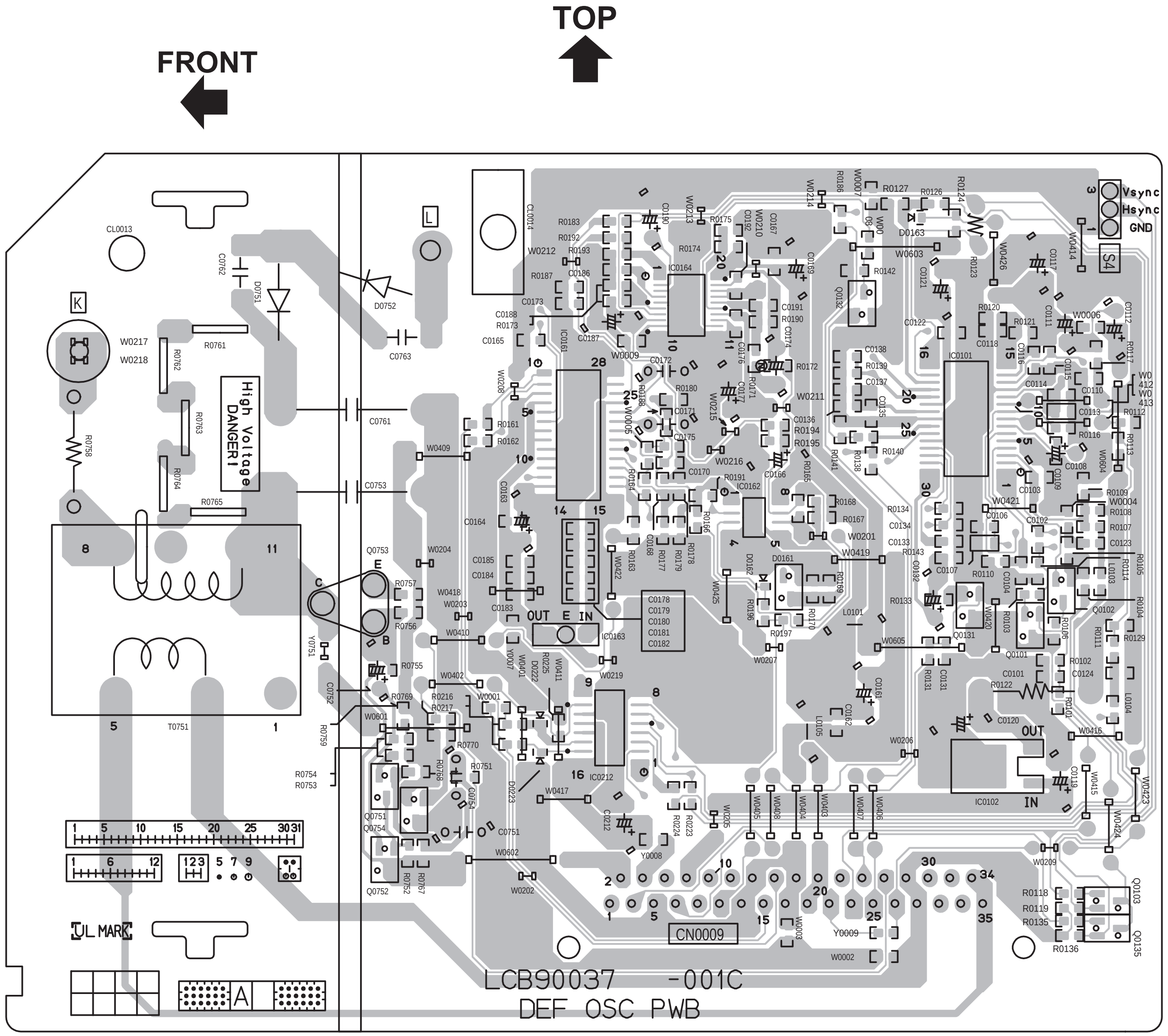
■ EHT PWB PATTERN


TOP
FRONT
EHT PWB
LCB90040 -001C
CN2010
IC2501
IC2502
IC2503
UL MARK
A
B
C
D
E
0
1
2
3

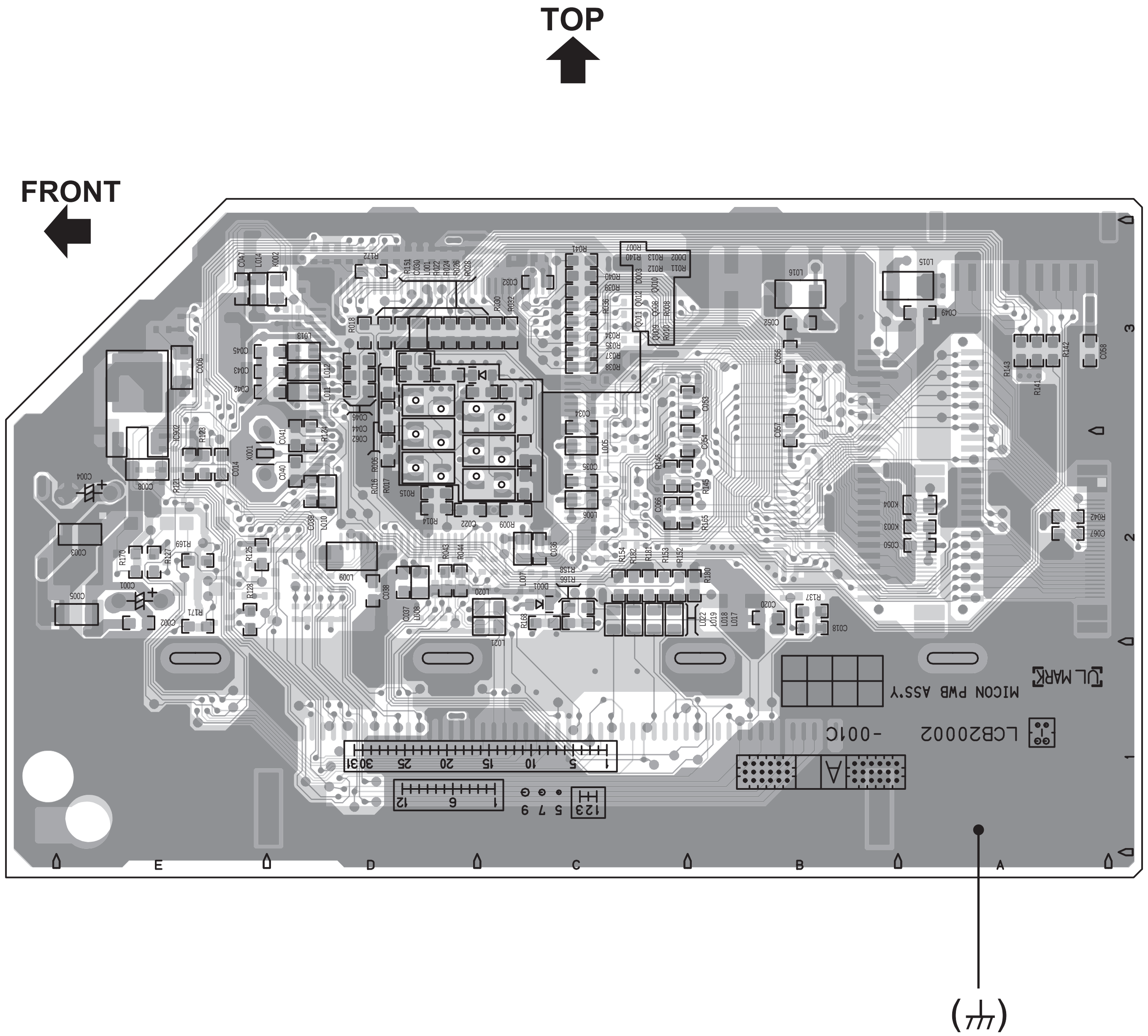
■ LINE FILTER PWB PATTERN


FRONT
LF PWB
LCB90036 -001C
LIVE
ISOLATED
UL MARK
IC9931
A

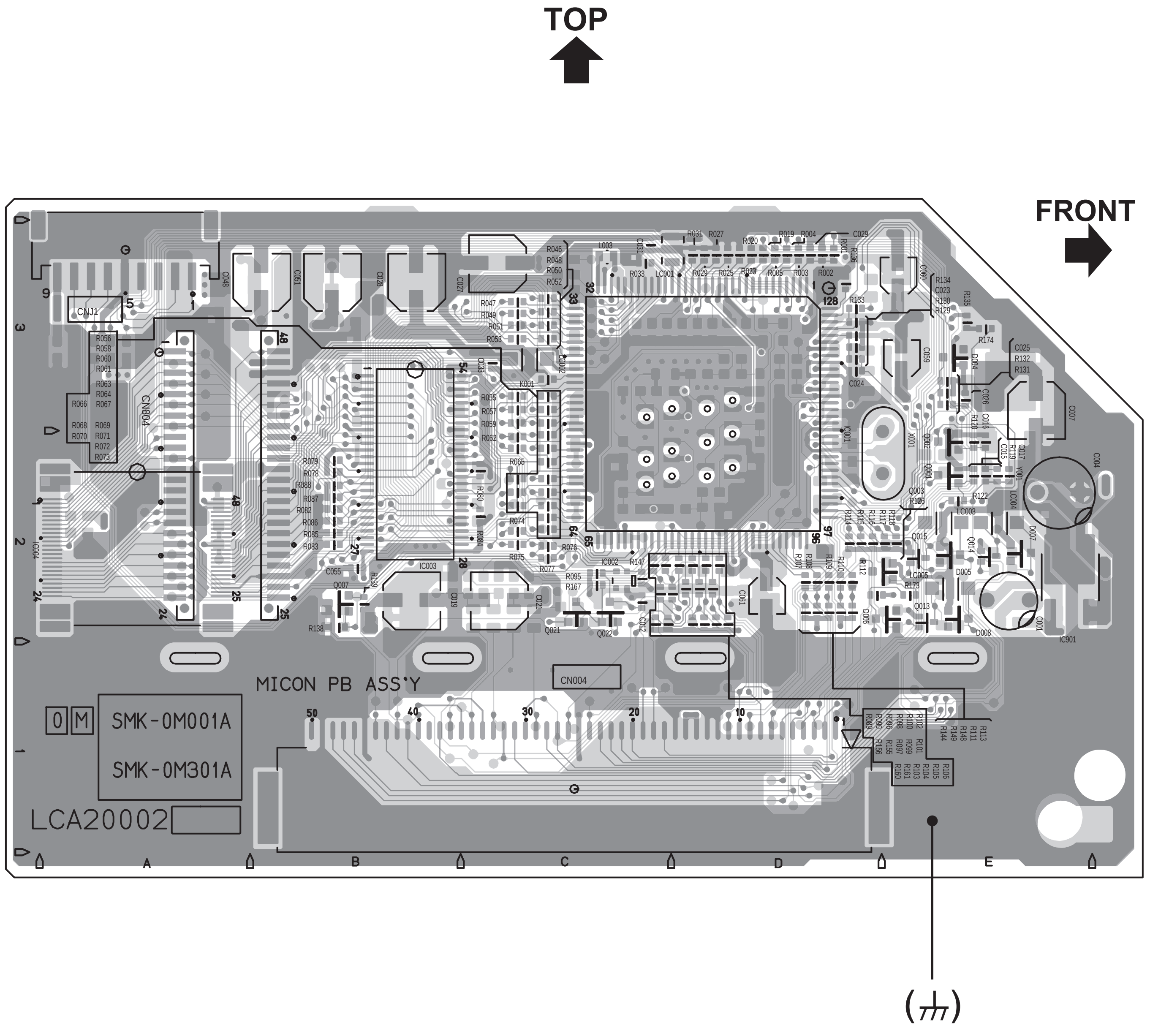
■ DEF OSC PWB PATTERN


TOP
FRONT
High Voltage DANGER!
Vsync
Hsync
GND
S4
CN0009
IC0101
IC0102
IC0163
IC0164
IC0212
T0751
OUT
IN
UL MARK
LCB90037 -001C
DEF OSC PWB

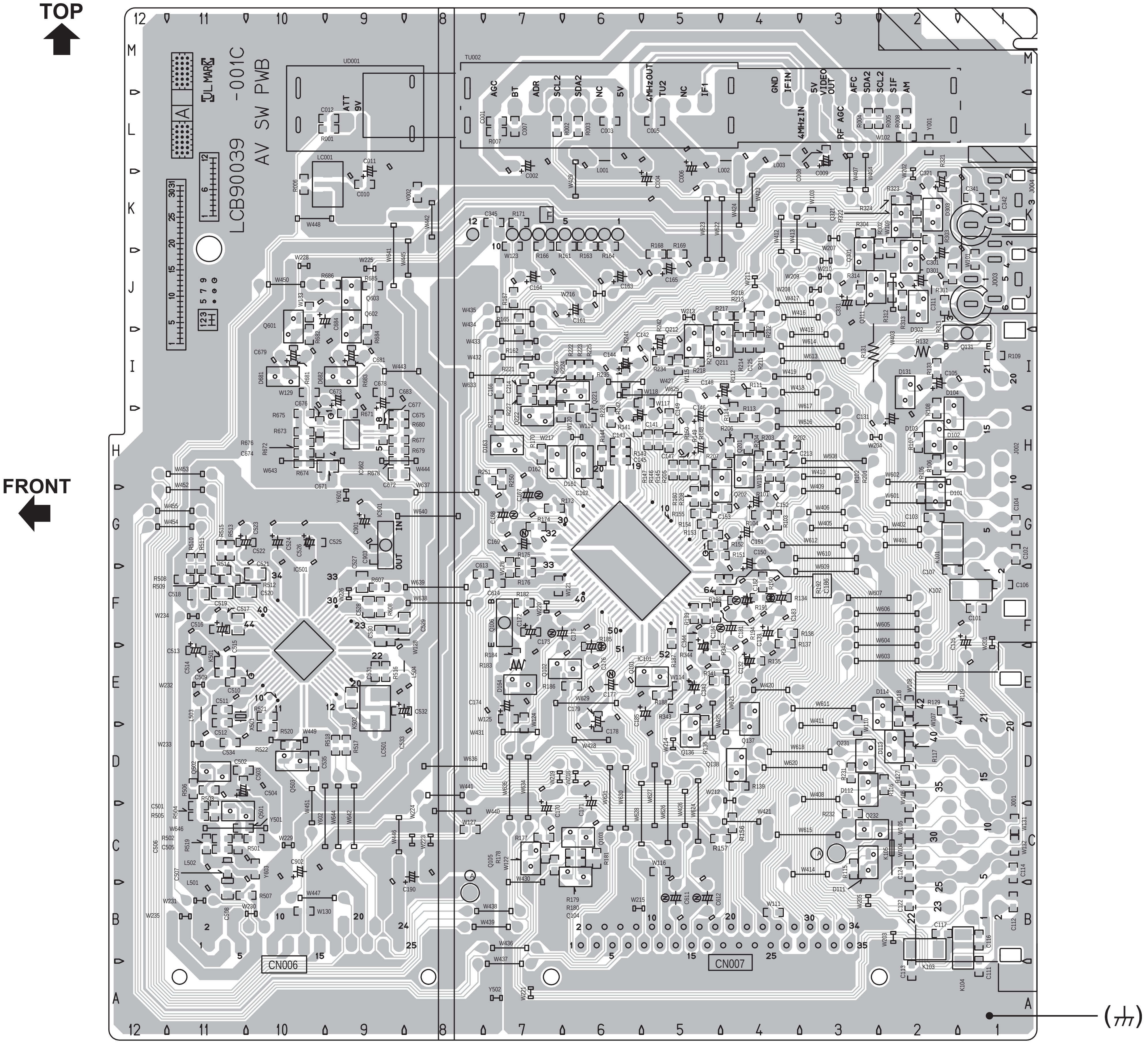
■ MICOM PWB PATTERN [SOLDER SIDE]


TOP
FRONT
MICON PWB ASS'Y
LCB20002
-001C
E
D
C
B
A
1
2
3

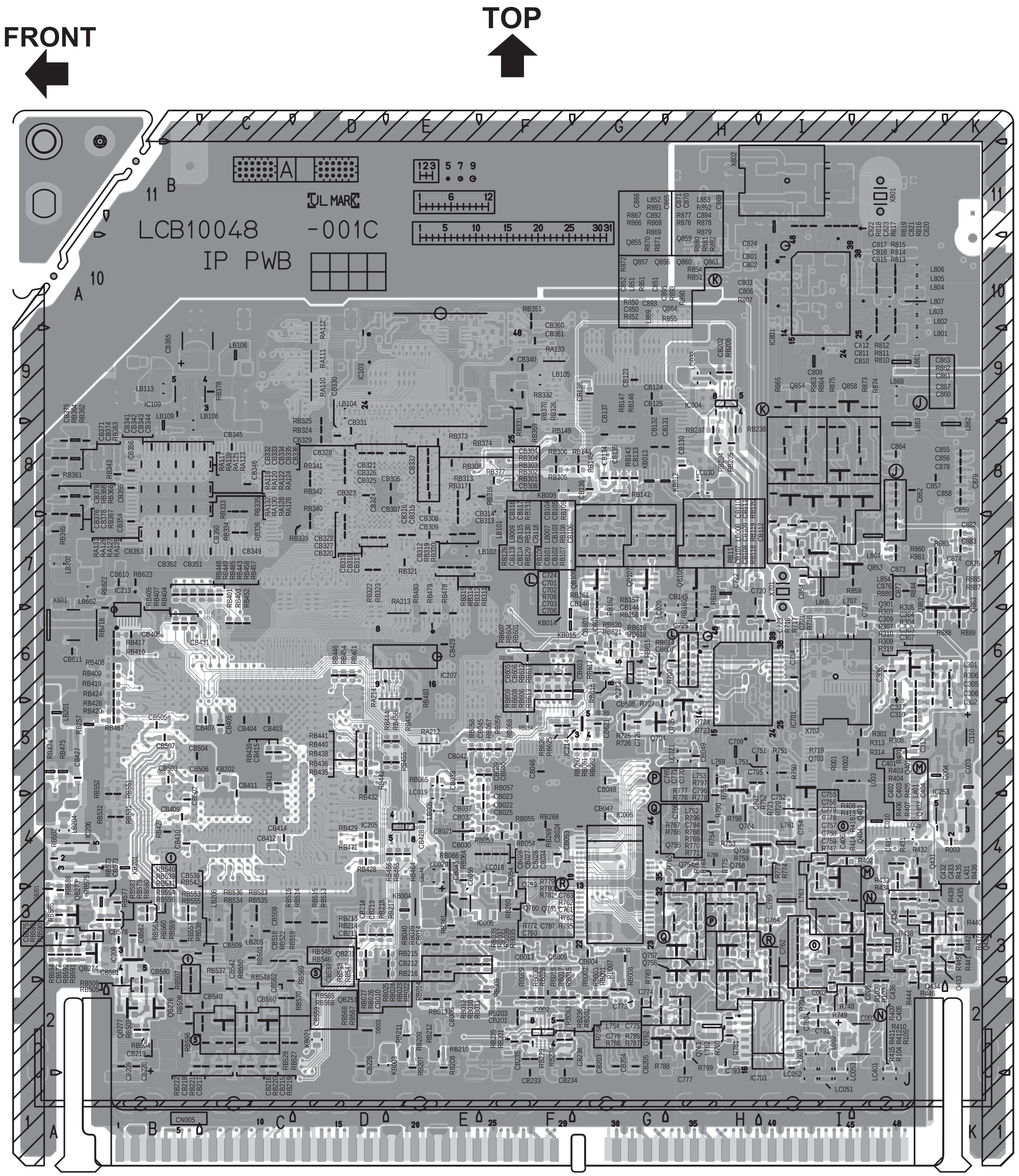
■ MICOM PWB PATTERN [PARTS SIDE]


TOP
FRONT
MICON PB ASS'Y
SMK-0M001A
SMK-0M301A
LCA20002
CN004
50
40
30
20
10
A
B
C
D
E
1
2
3

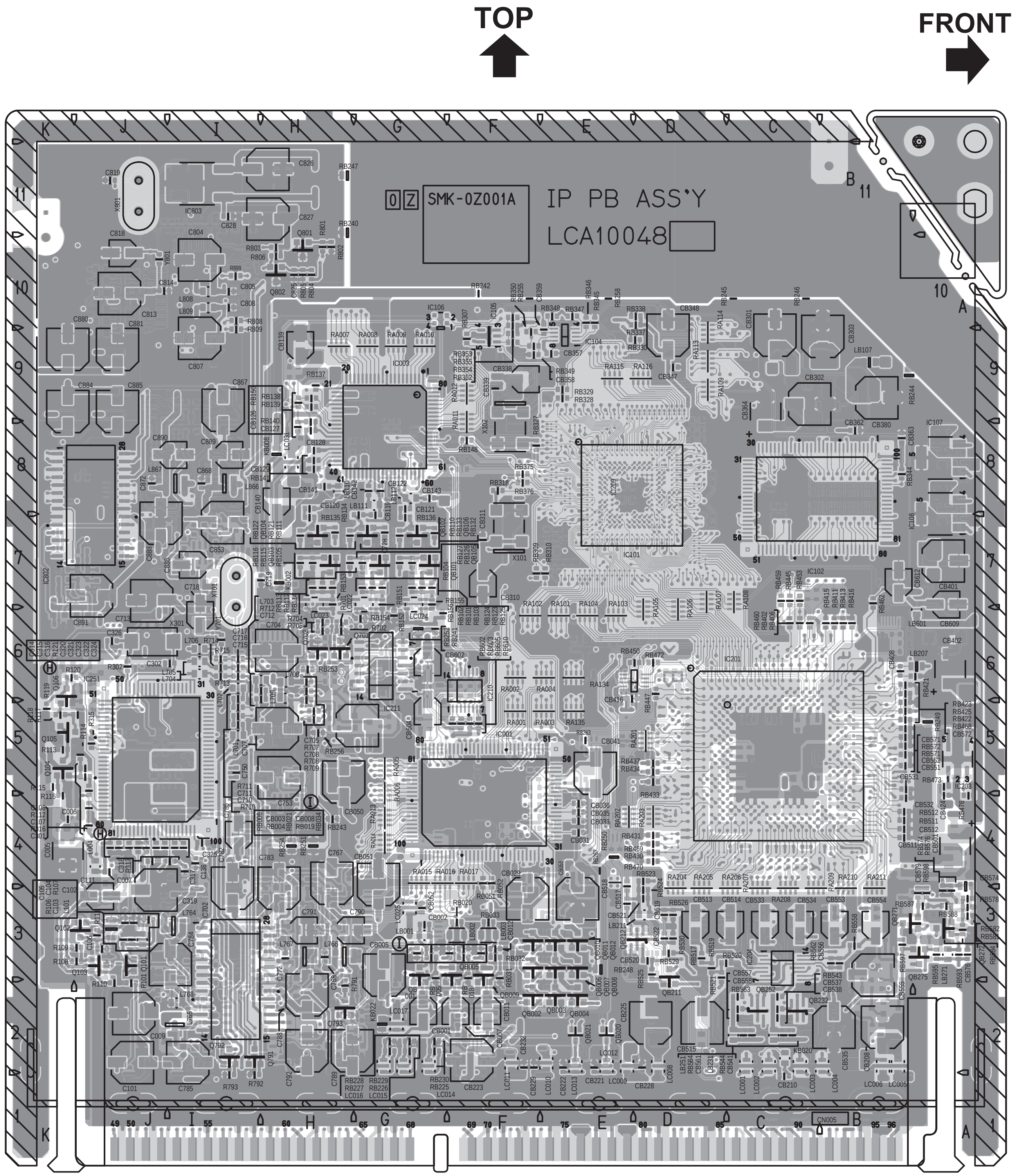
■ AV SW PWB PATTERN


TOP
FRONT
LCB90039 -001C
AV SW PWB
UD001
TU002
ATT
9V
AGC
BT
ADR
SCL2
SDA2
NC
5V
4MHzOUT
TU2
NC
IF1
GND
IFIN
5V
VIDEO OUT
AFC
SDA2
SCL2
SIF
AM
4MHzIN
RF AGC
IN
OUT
IC501
IC101
J001
J002
J003
J004
CN006
CN007
12
11
10
9
8
7
6
5
4
3
2
1
M
L
K
J
I
H
G
F
E
D
C
B
A
(⏚)

■ DIST PWB PATTERN [SOLDER SIDE]


FRONT
TOP
LCB10048 -001C
IP PWB
UL MARK

■ DIST PWB PATTERN [PARTS SIDE]


TOP
FRONT
0Z
SMK-0Z001A
IP PB ASS'Y
LCA10048

VOLTAGE CHARTS

<MAIN>

PIN NO.	VOLTAGE (V)
IC101	
1	4.5
2	4.5
3	4.5
4	4.7
5	4.7
6	4.6
7	4.6
8	4.6
9	4.8
10	4.7
11	9.2
12	4.6
13	4.6
14	4.6
15	4.7
16	4.7
17	4.6
18	4.6
19	4.6
20	4.7
21	4.7
22	0
23	4.8
24	4.8
25	4.5
26	4.5
27	4.5
28	9.2
29	4.8
30	4.8
31	4.4
32	0
33	4.5
34	0
35	4.6
36	4.6
IC201	
1	0.3
2	0.1
3	0.4
4	0.1
5	0
6	6.5
7	5.2
8	9.2
9	1.3
10	0
11	0
12	0
13	1.3
14	0
15	0
16	4.6
17	4.5
18	0
19	2.2
20	5.2
21	2.1
22	0.2
23	0.2
24	0.6
IC202	
1	3.2
2	3.2
3	3.2
4	0
5	3.2
6	3.2
7	3.2
8	3.6
IC331	
1	0
2	0
3	0
4	0
5	0
6	2.6
7	2.6
8	0
9	0
10	0
11	0
12	0
13	5.2
14	4.8
15	4.8
16	5.2
IC401	
1	3.3
2	0
3	3.3
4	3.3
5	0
6	3.3
7	0
8	3.3
9	0
10	3.4
11	0
12	3.5
13	3.5
14	3.6
IC402	
1	3.8
2	0
3	3.0
4	3.4
5	3.4
6	3.4
7	0
8	3.4
9	3.4
10	0
11	3.3
12	3.3
13	3.3
14	3.4
IC551	
1	9.0
2	9.0
3	6.8
4	6.8
5	0
6	2.6
7	3.5
8	1.3
9	1.3
10	1.0
IC571	
1	0
2	0
3	0
4	6.8
5	0
6	5.5
7	5.5
8	5.6
9	4.6
10	12.6
IC601	
1	0
2	0
3	0
4	0
5	32.0
6	0
7	0
8	0
9	0
10	4.6
11	0
12	0
13	16.2
14	0
15	0
16	0
17	0
18	0
19	33.1
20	15.8
21	33.2
22	0
23	16.0
IC602	
1	0
2	0
3	0
4	0
5	26.3
6	0
7	0
8	0
9	0
10	4.4
11	0
12	0
13	13.0
14	0
15	4.6
16	0
17	0
18	0
19	28.0
20	12.8
21	28.3
22	0
23	12.6
IC701	
1	0
2	0
3	0
4	0
5	3.4
6	3.2
7	0
8	3.6
IC706	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	3.2
11	0
12	5.0
13	0
14	4.6
15	4.8
16	5.3
IC901	
1	15.0
2	13.0
3	0
4	15.0
IC904	
1	20.4
2	20.0
3	0
4	3.4
5	2.6
IC906	
1	20.0
2	15.6
3	0
IC907	
1	9.5
2	5.0
3	0
IC908	
1	5.0
2	2.8
3	0
4	2.4
Q001	
E	2.0
C	9.2
B	2.8
Q101	
E	3.9
C	0
B	4.5
Q102	
E	3.9
C	9.2
B	4.5
Q103	
E	3.8
C	9.2
B	4.4
Q111	
E	3.9
C	9.2
B	4.5
Q112	
E	3.8
C	9.2
B	4.5
Q113	
E	3.9
C	0
B	4.5
Q351	
E	0
C	0
B	0
Q352	
E	8.4
C	8.6
B	8.6
Q355	
E	0
C	0
B	0
Q371	
E	3.0
C	9.8
B	4.0
Q372	
E	3.0
C	9.8
B	4.0
Q381	
E	2.8
C	8.8
B	0
Q402	
E	0
C	3.2
B	0.8
Q561	
E	3.4
C	0
B	2.8
Q562	
E	2.6
C	11.0
B	3.3
Q563	
E	4.0
C	0
B	3.6
Q571	
E	10.4
C	0.8
B	12.0
Q572	
E	0
C	0
B	0
Q601	
E	0
C	0
B	0
Q602	
E	0
C	0
B	0
Q603	
E	0
C	0
B	0
Q604	
E	0
C	0
B	0
Q605	
E	0
C	4.4
B	0
Q606	0
E	0
C	0
B	0.8
Q608	
E	0
C	0
B	0
Q609	
E	0
C	4.8
B	0
Q611	
E	2.6
C	2.6
B	2.0
Q612	
E	0
C	0
B	0
Q613	
E	0
C	0
B	1.4
Q614	
E	0
C	0
B	1.4
Q615	
E	0
C	0
B	0
Q616	
E	0
C	4.8
B	0
Q617	
E	0
C	0
B	0
Q618	
E	0
C	4.8
B	0
Q624	
E	0
C	0
B	0
TU001	
1(AGC)	2.0
2(BT)	5.3
3(ADR)	0.0
4(SCL)	4.4
5(SDA)	4.5
6(NC)	0.0
7(5V)	5.1
8(4MHz OUT)	0.0
9(TU2)	34.2
10(NC)	0.0
11(IF1)	0.0
12(GND)	0.0
13(IFIN)	0.0
14(4MHz IN)	0.0
15(5V)	5.1
16(VIDEO OUT)	1.8
17(RF AGC)	2.0
18(AFC)	1.5
19(SW1)	0.0
20(SW0)	0.0
21(SIF)	0.0
22(AM)	2.6
CN004	
1	0.0
2	0.0
3	2.9
4	2.6
5	2.7
6	0.0
7	2.6
8	0.0
9	2.6
10	0.0
11	2.6
12	0.0
13	0.0
14	5.0
15	5.0
16	0.0
17	0.0
18	2.8
19	3.0
20	4.4
21	4.4
22	0.0
23	4.4
24	0.0
25	0.0
26	3.0
27	0.0
28	2.6
29	0.0
30	1.2
31	0.0
32	1.2
33	0.0
34	0.0
35	0.0
36	2.6
37	0.0
38	2.0
39	0.0
40	2.7
41	3.3
42	-
43	4.2
44	2.0
45	0.0
46	0.0
47	1.0
48	0.0
49	0.0
50	0.0
CN005	
1	0.0
2	2.8
3	0.0
4	10.2
5	3.3
6	0.0
7	0.0
8	0.0
9	0.0
10	0.0
11	1.0
12	0.0
13	0.0
14	4.4
15	4.4
16	0.0
17	3.6
18	3.4
19	3.5
20	0.0
21	5.1
22	5.1
23	0.0
24	0.0
25	0.0
26	4.0
27	4.2
28	0.0
29	0.0
30	4.0
31	4.0
32	0.5
33	0.0
34	2.0
35	1.5
36	0.6
37	0.0
38	1.9
39	1.9
40	2.0
41	0.0
42	0.0
43	0.0
44	0.0
45	0.0
46	0.0
47	0.0
48	0.0
49	3.7
50	4.4
51	3.6
52	4.6
53	0.0
54	0.0
55	0.0
56	0.0
57	0.0
58	0.0
59	0.0
60	1.9
61	0.0
62	0.0
63	0.0
64	1.9
65	0.0
66	0.0
67	0.0
68	4.0
69	0.0
70	0.0
71	0.0
72	4.0
73	0.0
74	0.0
75	0.0
76	5.1
77	0.0
78	0.0
79	3.5
80	3.5
81	0.0
82	4.4
83	4.4
84	0.0
85	0.0
86	1.0
87	0.0
88	2.8
89	2.6
90	2.5
91	5.0
92	4.0
93	9.4
94	0.0
95	2.7
96	0.0

<AW SW>

PIN NO.	VOLTAGE (V)
IC101	
1	4.0
2	2.0
3	4.0
4	1.9
5	3.1
6	4.2
7	0.0
8	4.0
9	1.9
10	0.0
11	1.9
12	0.0
13	4.3
14	0.0
15	4.0
16	1.9
17	4.0
18	1.9
19	0.0
20	4.2
21	0.0
22	4.2
23	1.9
24	4.0
25	1.9
26	3.0
27	0.0
28	0.0
29	0.0
30	4.0
31	1.9
32	0.0
33	4.2
34	4.2
35	0.0
36	0.0
37	4.6
38	4.6
39	4.0
40	4.6
41	6.0
42	9.4
43	4.6
44	3.8
45	4.6
46	4.0
47	4.5
48	0.0
49	4.8
50	3.8
51	3.0
52	4.6
53	4.6
54	4.6
55	3.8
56	4.3
57	0.0
58	4.4
59	2.0
60	4.0
61	0.0
62	1.9
63	4.6
64	1.9
IC501	
1	5.1
2	1.2
3	1.0
4	0.0
5	0.5
6	2.0
7	0.0
8	0.0
9	0.0
10	2.2
11	5.0
12	4.4
13	4.2
14	0.0
15	0.0
16	0.0
17	0.0
18	0.0
19	5.0
20	0.0
21	0.0
22	4.0
23	0.0
24	0.0
25	0.0
26	0.0
27	0.0
28	0.0
29	0.0
30	4.0
31	4.0
32	0.0
33	8.0
34	2.2
35	0.0
36	1.0
37	1.8
38	2.0
39	0.0
40	1.8
41	1.9
42	2.6
43	2.4
44	0.0
IC662	
1	4.6
2	4.6
3	4.6
4	0.0
5	4.6
6	4.6
7	4.6
8	9.2
IC901	
1	8.0
2	8.0
3	0.0
Q101	
E	3.6
C	9.4
B	4.3
Q102	
E	3.1
C	9.4
B	3.7
Q103	
E	0.0
C	0.0
B	0.0
Q104	
E	0.0
C	0.0
B	0.0
Q105	
E	0.0
C	0.0
B	0.0
Q106	
E	5.2
C	9.4
B	5.9
Q131	
E	3.4
C	0.0
B	2.7
Q136	
E	0.0
C	0.0
B	0.0
Q137	
E	0.0
C	0.0
B	0.0
Q138	
E	0.0
C	0.0
B	0.0
Q201	
E	0.0
C	4.3
B	0.0
Q202	
E	0.0
C	3.7
B	0.0
Q211	
E	0.0
C	6.8
B	0.0
Q212	
E	0.0
C	6.8
B	0.0
Q221	
E	0.0
C	6.8
B	0.0
Q222	
E	0.0
C	6.8
B	0.0
Q301	
E	3.8
C	0.0
B	4.4
Q311	
E	3.1
C	9.2
B	3.7
Q321	
E	3.1
C	9.2
B	3.7
Q501	
E	2.2
C	6.7
B	2.9
Q502	
E	6.1
C	9.2
B	6.8
Q601	
E	0.0
C	0.0
B	0.0
Q602	
E	0.0
C	0.0
B	0.0
Q603	
E	0.0
C	0.0
B	0.0
TU002	
1(AGC)	4.0
2(BT)	32.5
3(ADR)	4.9
4(SCL)	4.5
5(SDA)	4.6
6(NC)	0.0
7(5V)	4.9
8(4MHz OUT)	0.0
9(TU2)	32.6
10(NC)	0.0
11(IF1)	0.0
12(GND)	0.0
13(IFIN)	0.0
14(4MHz IN)	0.0
15(5V)	5.0
16(VIDEO OUT)	2.1
17(RF AGC)	4.0
18(AFC)	2.3
19(SW1)	0.0
20(SW0)	4.6
21(SIF)	2.1
22(AM)	2.4

<EHT>

PIN NO.	VOLTAGE (V)
IC2501	
1	0
2	-
3	0
4	0
5	8.0
6	0.8
7	0.8
8	12.0
Q2502	
E	10.2
C	0.8
B	9.6
Q2503	
E	12.0
C	11.1
B	11.4
Q2504	
E	0
C	0
B	0.6

<CRT SOCKET>

PIN NO.	VOLTAGE (V)
IC3101	
1	2.2
2	2.9
3	3.6
4	4.3
5	2.5
6	11.6
7	0.2
8	0
9	0
10	212.4
11	0
12	165.6
13	164.9
IC3201	
1	2.5
2	3.2
3	3.6
4	4.3
5	2.6
6	11.6
7	0.3
8	0
9	0
10	212.3
11	0
12	161.5
13	160.5
IC3301	
1	2.3
2	3.0
3	3.6
4	4.3
5	2.5
6	11.6
7	0.3
8	0
9	0
10	0
11	0
12	163.2
13	162.5
Q3701	
E	3.4
C	36.7
B	4.1
Q3702	
E	37.4
C	17.0
B	36.7
Q3703	
E	16.5
C	37.4
B	17.0
Q3704	
E	16.6
C	0
B	16.3
Q3705	
G	181.5
S	184.9
D	91.3
Q3706	
G	1.3
S	0
D	9.13

<DOLBY>

PIN NO.	VOLTAGE (V)
31	0
32	0
33	0
34	0
35	0
36	3.2
37	0
38	0
39	0
40	1.2
41	0
42	3.7
43	1.2
44	0
45	0
46	0
47	3.2
48	3.2
49	3.2
50	0
51	0
52	0
53	3.3
54	0
55	0
56	0
57	0
58	0
59	0
60	0
61	0
62	0
63	0
64	3.2
65	0
66	3.2
67	3.3
68	0
69	0
70	0
71	3.2
72	0
73	0
74	0
75	0
76	0
77	0
78	0
79	0
80	0
81	3.2
82	3.3
83	0
84	0
85	0
86	0
87	0
88	3.3
89	0
90	0
91	0
92	3.2
93	0
94	0
95	0
96	0
97	0
98	0
99	0
100	0
IC110	
1	3.3
2	3.2
3	0
4	0
IC111	
1	5.0
2	0
3	3.3
IC112	
1	3.2
2	3.2
3	3.0
4	3.0
5	0
6	0
7	2.8
8	3.3
9	0
10	2.7
11	2.8
12	0
13	3.0
14	3.0
15	3.1
16	3.1
17	3.0
18	3.0
19	3.0
20	3.2
21	3.2
IC102	
1	3.7
2	1.7
3	1.8
4	1.6
5	3.3
6	0.4
7	0
8	0.4
9	0.4
10	0.4
11	0
12	0.3
13	0
14	3.3
IC105	
1	0
2	0
3	0
4	1.6
5	1.7
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	5.0
15	0
16	0
17	0
18	0
19	0
20	5.0
21	0
22	0
23	2.5
24	2.5
25	2.5
26	2.5
27	0
28	2.5
29	0
30	5.2
31	5.2
32	5.2
33	0
34	2.5
35	5.0
36	5.0
37	0
38	0
39	1.4
40	0
41	3.3
42	3.3
43	0
44	0
IC107	
1	5.0
2	0
3	3.3
IC108	
1	3.3
2	3.2
3	0
4	5.0
5	5.0
IC109	
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	3.3
10	1.7
11	3.3
12	0
13	3.3
14	0.3
15	3.3
16	0
17	0
18	0
19	0
20	0
21	3.0
22	3.2
23	3.2
24	0
25	0
26	0
27	0
28	0
29	0
30	0
IC101	
1	3.2
2	0
3	3.1
4	3.3
5	0
6	3.2
7	3.1
8	3.2
9	3.2
10	3.2
11	3.2
12	0
13	0
14	1.6
15	1.6
16	1.2
17	0.6
18	0
19	0
20	0
21	0
22	1.9
23	0
24	3.3
25	1.6
26	1.6
27	3.3
28	3.3
29	0
30	0
31	0
32	3.3
33	3.3
34	1.6
35	0
36	3.3
37	1.6
38	3.2
39	3.3
40	1.6
41	3.3
42	3.3
43	1.6
44	3.3
45	0
46	0
47	1.4
48	0
49	0
50	3.2
51	0
52	3.2
53	3.2
54	2.7
55	2.7
56	2.7
57	2.7
58	0
59	2.7
60	2.7
61	2.7
62	0
63	3.2
64	3.2
65	3.1
66	0
67	3.0
68	3.0
69	3.0
70	3.0
71	3.3
72	3.0
73	3.0
74	3.0
75	3.2
76	3.2
77	3.2
78	0
79	3.3
80	0
81	0
82	3.3
83	3.2
84	3.2
85	0
86	0
87	0
88	0
89	0
90	3.2
91	1.0
92	3.2
93	3.2
94	0
95	0
96	0
97	0
98	1.3
99	1.3
100	3.3
22	2.8
23	2.7
24	3.3
25	0
26	2.7
27	2.8
28	0
29	0
30	0
31	3.1
32	0
IC113	
1	0.4
2	1.7
3	1.6
4	0
5	0
6	1.5
7	3.3
8	3.3
IC202	
1	9.2
2	9.2
3	9.2
4	0
5	9.2
6	9.2
7	9.2
8	17.4
IC203	
1	9.2
2	9.2
3	9.2
4	0
5	9.2
6	9.2
7	9.2
8	17.4
IC303	
1	9.2
2	9.2
3	0
4	0
5	9.1
6	9.2
7	9.2
8	17.4
IC404	
1	9
2	9.1
3	9.1
4	0
5	9.1
6	9.1
7	8.9
8	17.4
IC601	
1	4.6
2	4.6
3	4.6
4	0.3
5	4.6
6	0.3
7	0
8	4.6
9	0
10	0
11	4.6
12	9.2
13	4.6
14	4.6
15	0
16	4.6
17	0
18	0
IC631	
1	4.6
2	4.6
3	4.6
4	0.3
5	4.6
6	0.3
7	9.2
8	4.6
9	0
10	4.6
11	4.5
12	9.2
13	4.7
14	4.7
15	4.6
16	4.7
17	4.6
18	4.7
IC651	
1	4.6
2	4.6
3	4.6
4	0.4
5	4.6
6	0.5
7	4.6
8	4.6
9	0
10	4.6
11	4.6
12	9.2
13	4.6
14	4.6
15	4.6
16	4.6
17	4.6
18	4.6
IC704	
1	9.2
2	9.2
3	9.1
4	0
5	9.1
6	9.2
7	9.2
8	17.4
Q101	
E	3.3
C	3.2
B	0
Q102	
E	0
C	0
B	3.3
Q103	
E	0
C	0
B	3.2
Q401	
E	0
C	0
B	3.3
Q402	
E	0
C	14.4
B	0
Q501	
E	0
C	0
B	8.0
Q502	
E	0
C	8.0
B	0
Q701	
E	0
C	9.9
B	0
Q702	
E	0
C	0
B	0
Q703	
E	0
C	0
B	-0.1
Q704	
E	0
C	0
B	0
Q705	
E	0
C	0
B	0
Q706	
E	6.7
C	6.6
B	6.1
Q707	
E	0
C	0
B	1.2
Q708	
E	0
C	0
B	1.2
Q709	
E	0.2
C	-0.2
B	0
Q710	
E	0
C	0
B	-0.3
Q711	
E	0
C	0
B	9.9
Q712	
E	0
C	17.4
B	0
Q713	
E	0
C	0
B	14.4
Q702	
E	0
C	0
B	0
Q703	
E	0
C	0
B	-0.1
Q704	
E	0
C	0
B	0

<DEF OSC>

PIN NO.	VOLTAGE (V)
IC0101	
1	4.7
2	0.1
3	0.0
4	7.4
5	0.0
6	0.1
7	0.1
8	0.1
9	0.1
10	6.6
11	0.1
12	0.0
13	9.3
14	9.1
15	9.6
16	2.6
17	0.0
18	0.6
19	4.9
20	7.0
21	11.9
22	6.0
23	0.0
24	0.0
25	0.1
26	0.0
27	1.9
28	-
29	5.5
30	6.0
IC0102	
1	14.9
2	0.0
3	12.1
IC0161	
1	4.2
2	4.3
3	0.0
4	5.0
5	8.0
6	0.0
7	5.0
8	0.0
9	0.0
10	0.0
11	0.0
12	3.2
13	0.0
14	0.0
15	12.3
16	5.2
17	5.1
18	4.0
19	0.0
20	2.0
21	3.9
22	2.5
23	1.2
24	0.0
25	12.0
26	3.2
27	0.0
28	0.0
IC0163	
1	12.2
2	5.2
3	0.0
IC0164	
1	4.0
2	1.8
3	0.0
4	4.6
5	0.0
6	2.0
7	0.0
8	9.3
9	0.0
10	0.0
11	0.0
12	5.4
13	0.0
14	12.0
15	1.8
16	4.4
17	0.0
18	0.0
19	4.0
20	14.0
IC0212	
1	0.6
2	0.6
3	2.2
4	2.5
5	0.6
6	0.5
7	0.0
8	0.0
9	0.6
10	1.1
11	0.0
12	5.2
13	5.2
14	4.4
15	4.2
16	4.2
Q0101	
E	0.1
C	0.0
B	0.2
Q0102	
E	0.0
C	11.8
B	0.3
Q0103	
E	0.2
C	11.9
B	0.1
Q0131	
E	0.0
C	11.9
B	0.0
Q0132	
E	0.0
C	4.2
B	0.0
Q0135	
E	0.0
C	11.9
B	0.0
Q0751	
E	24.3
C	4.4
B	23.5
Q0752	
E	24.5
C	36.2
B	24.5
Q0753	
E	3.3
C	320.0
B	3.5
Q0754	
E	0.0
C	0.0
B	0.0

<FRONT CONTROL>

PIN NO.	VOLTAGE (V)
IC851	
1	5.1
2	5.4
3	0
Q8801	
E	3.3
C	-1.6
B	3.3
Q8802	
E	3.1
C	1.9
B	0.5
Q8803	
E	0.1
C	0.2
B	0.1

<LINE FILTER>

PIN NO.	VOLTAGE (V)
IC9932	
1	5.0
2	0
3	-
4	0
5	0
6	0
7	5.6

<POWER & DEF>

PIN NO.	VOLTAGE (V)
IC401	
1	0.0
2	-14.5
3	0.0
4	40.0
5	0.0
6	0.0
7	15.2
8	-14.3
9	40.0
10	-
IC901	
1	2.8
2	0.0
3	310.0
4	20.2
5	0.0
IC951	
1	7.8
2	11.0
3	0.0
Q401	
E	0.0
C	12.0
B	0.0
Q402	
E	0.0
C	1.8
B	0.0
Q461	
E	3.8
C	12.4
B	3.2
Q462	
E	3.8
C	0.0
B	3.2
Q463	
S	0
D	34.8
G	3.9
Q464	
E	0.0
C	3.4
B	1.8
Q501	
E	2.8
C	12.3
B	2.4
Q502	
E	0.0
C	18.3
B	0.0
Q521	
E	0
C	-2.3
B	0
Q522	
E	0
C	194
B	0
Q523	
E	2.3
C	12.2
B	2.4
Q551	
S	0
D	238
G	1.5
Q553	
E	2.2
C	12.3
B	3.4
Q554	
E	2.4
C	0.0
B	2.1
Q943	
E	0.0
C	0.0
B	0.0
Q953	
E	0.0
C	15.3
B	0.0
Q954	
E	0.0
C	2.8
B	0.0
PC901	
1	11.3
2	10.3
3	7.1
4	5.4

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